BELGIUM Fr 3: DENMARK Kr 4.35; FRANCE Fr 3.5; GERMANY DM 2.0; ITALY L 700; NETHERLANDS FI 2.0, NORWAY

Wednesday August 1 1979

VCIALTIN

Shell-BP and its 40 per cent

equity stake in the marketing

over would be worked out on the

basis of previous equity partici-

Shell-BP produces more than

half of the total Nigerian output

which is now running at a re-

cord 2.4m barrels a day.

Because of a recent increase
in the Government equity parti-

cipation in all the operating

companies in Nigeria, Shell-BP

the same time Shell still buys

buch about 190,000 b/d from the

Continued on Back Page

are great immediate pressure on

firm monetary policy.

would be in a greater mess.

recent rise in the pound is stressed in the survey, which is

Continued on Back Page

Details. Page 8

Editorial comment, Page 16

Men & Matters, Page 16

Compensation for the take-

company BP (Nigeria).

DATE

FLAKE & NODULAR IRON Castings he International Machanite Metal Co,Ltd. Abert Rd No. Registe Surrey. Tot Reigine 44786. Televi 28709

GENERAL

BUSINESS

CONTINENTAL SELLING PRICES: AUSTRIA Sch 15

Dan-Air Equities up 3.2; aircraft Gold ın sea: 30 saved

Thirty of the 49 people aboard index gained 32 to survived when a twin-engined sluggish trading. Shell crashed into the sea on take-off from Sumburgh Air-

port, Snetland.

Lifeboats, coastguard vessels and helicopters joined rescue efforts after the piston-engined Hawker-Siddeley 748 bound for Aberdeen aborted its take-off and crashed into shallow water off Virkie Voe.

Rescuers desperately tried to to attach lines to the aircraft's tall as it floated aose-down about 50 yards from the end of the runway.

Some survivors managed to swim ashore and others were picked up. One local hospital treated 24 survivors, most suffering from the effects of cold and shocks. Divers scoured the crash scene for bodies.

Councils must cut £600m more

The Government told local authorities to cut planned cur-rent spending in 1980-81 by over £600m-making savings of 5 per cent. It represents a one per cent spending cut on top of the 3 per cent reduction councils have already been asked to make in the present

year. Social Services Secretary Patrick, Jenkin will today announce how he will deal with the South London health withority which has refused to an spending by about \$5m-to keep within Government cash limits. Back Page

Thatcher talks

The Prime Minister began initiate informal talks in Laurana. Solicite information in Laurana. Solicite in Lau ielicete informal talks in Lusaka Midsbaningi Sithole announced 1977-78that his ZANU party was ending Page 5
as boycott of Parliament. Back

President Carter called for mick action from Congress to help the U.S. use more of its . AMALGAMATED Union of 250m tons within 11 years, he

Crash ruling

t chain of unfortunate vents" led to the head-on collision of two trains near Leeds in 1977, killing both drivers, a Transport Department report said. The events followed the biting of an emergency generaor to a signal bex because of hreatened industrial action by electricity workers.

Ulster killing

A plain clothes policeman. George Walsh, 50, was shot sead as be waited in an unmarked car outside a courthouse Armagh, Northern Ireland.

BC-10 evidence

in aircraft mechanic told the icago inquiry into May's C-10 crash that he saw no mack on the engine mounting if the American Airlines jet then the engine was replaced ther maintenance last March.

ecientist wins

tomic scientist Sir Rudolf eierls was awarded substantial icel damages in the High Court ver allegations in a book by ichard Descon that he was susected of being a Russian spy.

Detectives from four U.S. states mestioned a man who claims to rave killed 20 people since peing freed from prison 13

months ago. August long-range weather foreeast is for warm, dry periods with wet interludes and aboveaverage temperatures. Weather, report, Page 20 and Lex, Back Back Page

RISES

Automated Security 163 + 7
BAT Inds. 271 + 6
Bosts 182 + 5
Furnett Hallamsur 490 + 25

Cape ladustries ... 202 + 5
ERF 105 + 4
Hawker Siddeley ... 186 + 6

Eillards 340 + 10

IC: 435 + 10

Metal Closures 121 + 10

Midland Bank 346 + 6

Stavert Zigomala ... 72 + 6

CHIEF PRICE CHANGES YESTERDAY

(Prices in pence unless otherwise indicated)

falls \$2

GILTS eased in sympathy with sterling's weakness and the Government Securities index finished 0.24 down at 1224

GOLD closed \$2; an owner down in London at 3298



STERLING fell 8.55 cents against the dellar to \$2,2480 and its trade-weighted index dropped to 72.1 (73.8). DOLLAR'S trade-weighted index rose to 84.6 from 84.3.

• WALL STREET before the close was up 6.23 at \$54.97.

. HARLAND AND WOLF the Belfast shipbuilders, has notified shop stewards of proposals for 630 redundancies in mid-autumn: Back Page

 DOCKERS at Anerdeen : fused a union-request to some handling food containers to many North Sea oil rice and platforms, Back Page 1

1977-78-a rise of 18.8 per cent.

• GENERAL MOTORS of the U.S. has injected a further £10m into its UK subsidiary by way of low-interest, long-term loans. Page 8

vast reserves of coal and to re- Engineering Workers said some face oil imports. Coal output employers had already conceded and to be increased by about in full the pay and conditions claim on which industrial action began this week. Page 9

O DEPARTMENT OF TRADE inspectors inquiring into the ments and the ownership of the company have consured the conduct of four men. Page 5

MANPOWER SERVICES Commission criticises private sector employers, particularly in manufacturing, for falling to participate fully in work experience schemes Page 9

o FEDERAL RESERVE Bank of New York urged the Carter Administration to take advantage of the economic slowdown work towards the restoration of price stability.

COMPARIES

. LEX SERVICE GROUP, the moter distribution. plant hire and hotel concern, increased taxable profit by 42 per cent to £11.89m in the first half of 1979 on sales of £257m (£129m).

GRINDLAYS HOLDINGS taxable profits fell from film to file.2m in the half year to June 30 following the effect of sterling's strength on Grindlays Bank, the main subsidiary. Page 18-

TAYLOR WOODROW, builder and civil engineer, report pre-tax profits down from £8.09m to £7.66m in the half year to June 30 on turnover up £3m ah£196m. Page 18 and Lex, Back Page

• THORN ELECTRICAL ID dustries does not foresee a dramatic short-term improve ment in profit levels. Chairman's

Sunley (B.) 402 + 13 Taylor Woodrow 352 + 6

Trusthouse Forte ... 137 + 5

Conzine Riotinto ... 188 + 10 Northern Mining ... 66 +

Stirling Petroleum . 15 + 5

(£15 pd.)£131 - 6

Abercom 93 - 4 Cableform _____ 66 - 8

Grindlays Bank ... 101 - 5

Style Shees

Vantona Ashton Mining

Treas. 11 pe 2003-07-

All BP interests in Nigeria to be nationalised today

BY MARK WEBSTER IN LAGOS

Nigeria is to nationalise all British Petroleum interests in the country from today in retaliation for BP's decision to seil crude oil to South Africa.

entitlement to about 280,000 barrels a day and that its stati not on contracts with the Nigerian National Petroleum Corporation must leave the country before August 31.

The action follows EP's recent decision to ship crude oil to South Africa in order to ease the country's supply position following its loss of ship-ments from Iran.

Most members of the Organi-

sation of Petroleum Exporting Countries have banned shipments to South Africa: Nigeria has been one of the leading proponents of the embargo. BP said last night that all the embargoes had been strictly observed." The company was exporting neither em-bargoed crude nor North Sea oil to South Africa,

However, the Nigerian Government statement issued yesterday said that BP's intentinn to sell non-embargoed crude to South Africa in a swap arrangement using North Sea oil was a mere " subterfuge " for making Nigerian oil available to

BP had been given Government permission to increase maining 20 per cent equity hold-

BY JOHN ELLIOTT, INDUSTRIAL EDITOR

was forecast yesterday by the investment Confederation of British weakening.

ey, showing that the increased

industrial activity of the past

quarterly industrial trends sur- that industry had lost confidence

few months has been temporary. CBI president next year, said; and due mainly to a recovery of "In this lack of confidence for

business after last winter's the future, we would be wrong

The CBI forecasts the rate of anything alarming. It is more

return on capital employed will a question of caution—and that fall to 3 per cent at most this is reflected in the investment

year and will drop even lower situation." Sir Ray said.
next year. This prospect will be discussed by the National wanted the Government to Economic Development Council remove the remaining exchange

today which will also be warned controls on foreign investment,

by the CBI that there may be a and cut interest rates when it

The Federal Military Government said yesterday that BP
would lose its remaining equity

South Managed Countries for its

South Managed Countries for its

South Managed Countries for its

Petrolium Corporation called

South African customers. The nationalisation is seen in BP's headquarters to be part of a move against the British Government's support for the South African shipment.

pation and paid very soon, according to the Nigerian statein Lagos, it is also being seen as the litest in a series of moves

Commonwealth Conference feature. Page 16 more increases gloom Back Page

designed to put pressure on Britain over its policy towards Zimbabwe Rhodesia on the eve now have only 40 per cent of the equity between them. At Commonwealth conthe ference in Lusaka.

The Nigerian decision is a big blow to BP. The company was expected to lift 12m tonnes of Nigerian crude this year-about 8 to 10 per cent of its total supplies. Most of its Nigerian shipments have been going into European markets.

The company has already cut deliveries to third party customers to only 22 per cent in August, compared with 35 per cent in July.

A GRADUAL decline in indus- Vesterday's survey showed But the Government is trial activity over the next year that business confidence and unlikely to come under any

intentions

Sir Ray Pennock.

CBI forecasts industrial

decline in coming year

in the Government.

UK oil output adequate for month

By Ray Dafter, Energy Editor

BRITAIN APPEARS to have hecome self-sufficient in oil for the first time. if only for one Production from the first 12

oilfields in the UK sector of the North Sea reached a monthly peak of 6.97m tonnes in June. the equivalent of 1.74m barrels

The Energy Department said yesterday that output rose by over 6 per cent compared with the previous month and by 56 per cent in June, 1978.

Consumption figures for June are still not known. But, stockbrokers Wood. Mackenzie report that given the seasonal weakness in demand it was likely that the country attained net selfsufficiency on a monthly basis. Britian's oil requirement averaged about 1.67m h/d during June and July last year.

Enviable

On an annual basis, the UK EP lost its buy-back entitle-ment of the time of the Kulu has some way to go before it achieves the envisible position incident when a ship indirectly of being a net exporter. The owned by South Africans was Energy Department said that used to collect crude from a average consumption was running at about 8m tonnes a Nigerian port.
It is not clear how the month, or 1.95 barrels a day.

Nigerian move will affect Shell, Two main contributors to which already provides nearly Britain's increased production in June were the Chevron Group's Ninian Field and the all the staff for the operations of Shell-BP. But in a statement apparently designed to reassure Mobil consortium's Beryl discovery. Ninian's output rose from 180,000 barrels a day in May to 225,000 b/d in June, according to Wood, Mackenzie, white Beryl's production was increased from 80,000 b/d to 115,000 b/d.

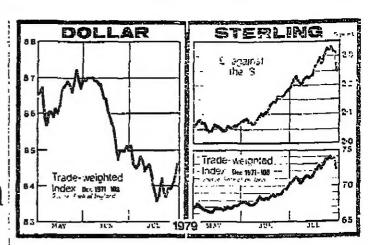
reached a record £17bm last year, about £1bn more than in 1977, according to another Department of Energy report' published yesterday. The total energy bill represented an average of £6 a week for every man, woman and child in the country.

Confederation of British weakening. Sir Ray Pennock, interest rates, even thought and confederation of British weakening. Sir Ray Pennock, interest rates, even thought and investment of the CBI's economic issue may be raised at today's stuation committee and a need investment.

This emerged from the CBI's stressed that this did not mean rates down faster than the stressed that this did not mean rates down faster than the rates of the raise to the raise than the rates of the raise than the raise However, the amount of energy consumed rose by only 0.5 per cent when measured on a primary fuel basis. The consumption in 18.8 was the squit Government felt it right we lent of 340m tonnes of coal.

Manufacturing industries slightly increased their output The rates should come down as soon a: is consistent with a but managed to use about 1.5 per cent less fuel than in 1977. Industry would have to "learn Public sector consumption was to become more efficient" so as down by 1 per cent. But fuels used in air and road transport to survive with the present policics.
The impact on exports of the rose by 8 and 5 per cent res pectively.;

Energy Statistics 1979," SO, £6. scale to smooth fluctuations at



60; SWEDEN Kr 3.75; SWITZERLAND Fr 20; EIRE 20p

Sterling fall cancels gains of fortnight

BY PETER RIDDELL, ECONOMICS CORRESPONDENT

STERLING dropped sharply lower levels, in line with his yesterday - ending the almost unbroken daily rise in the seven weeks since the Eudget.

The trade-weighted index, measuring the value of sterling against a basket of other currencies, dropped by 1.5 per cont, while the pound fell by 6.55 cents against the follor to \$2.2480. This is the largest decline in a day since early January 1978. The fall only cancels out the

sharp gains of the last fortright, leaving the pound around its levels of mid-July. The reversal was sudden,

though dealers said they were not surprised that the reaction had been dramatic in view of the extent and speed of the recent rise. The authorities are likely to

he relieved by the shake-out though it may only represent a temporary hiccup. Selling first developed over-

night in New York and Chicago Spending up

Britain's spending on energy nate of the U.S. Prideral Reserve Board, about the priority

of lighting inflation.

Consequently the rate was below \$2.30 when markets opened in Europe and conditions were generally nervous with business all one-way. Sell-ing was renewed when U.S. markets opened in the early afternoon and the rate closed near its lowest levels.

Pressure

After the initial drop a lot of the pressure reflected hurried closing of speculative positions in favour of sterling and against the dollar built up over the past month. In addition there may have been some buying of dollars for end of the month oil payments. The Bank of England appears

*" Digest of United Kingdom to have intervened on a small



against all major currencies policy when the rate was dising. The trade-weighted index felt from 73.8 to 72.1 yesterday. This compares with a peak of 74 last Thursday which was nearly a leath higher than be-

form the Longet speech The decline was much more than a response to a slightly strong;r coller and the pound fell from Dat 4.24? to DM 4.120 and from FFr 9.83; to FFr 8.57. But this is still above the levels siling until mid-July.

Weakness

The weakness of sterling further depressed the theory of market though hopers appeared when prices of long-dated stock fell by haif a point. Cleang losses were about 1. The long tap closed at £13; compare! with a partly paid issue price of £15 a week ago.

The dollar made small grins with only limited official support. It rose from DM 1.8005 to DM 1.8005 compared with a day's high of DH 7.8480 he trade-weighted thier. It trade-weighted thier are trade-weighted thier and England, rose by 0.8 points to 64.6.

The sharp rise in the pound up to yesterday had been the result both of the market's view of Britain's faroused position as an oil promiser at a time of rising oil prices and of rela-tively high UK interest rates. But there has been increasing concern about the prosion of the competitive position of British industry, In the last few days several economic forecasters have projected a decline in the

ic New York

Chrysler record 3-month loss

considered it right to do so.

BY JOHN WYLES IN NEW YORK

concern about the outlook for General \$207.1m. the highest three- tees. month deficit in its history and reater than its entire losses joined last year.

downturn in investment.

doing nothing to stop the country's third largest car and truck producer from sinking into deeper trouble. In their In the meantime, the Treation of the country's third largest car and truck producer from sinking into deeper trouble. In their In the meantime, the Treation of the country is the country of Government to take promet company's

remedial action. Chrysler has been urging the Covernment for several months to give it relief from fuel and emission regulations. It claims these impose unfair strains on and said that Chrysler had been its financial and other resources plunged into a sharper crisis by

Motors and Ford Chrysler Corporation after the Motor Company. Chrysler also struggling motor company re- wants special tax relief and ported a second quarter loss of access to Federal loan guaran-

The Treasury said that it had the Federal Reserve Board on a study of Chrysler's The Treasury's statement was financial records and operaundoubtedly prompted by the tions. When this was completed, need to dispel fears that it is the Administration would be

analysis of the difficulties. Mr. sury was concerned about John Riccardo. Chrysler's chair. Chrysler's financial situation man, and Mr. Lee Iacocca president, yesterday called on the overall economy and on the employees

Mr. Riccardo and Mr. Iacocca claimed that the company was "stretched to the limit" by the task of meeting the regulations,

THE U.S. Treasury was because it is substantially the "energy induced" decline driven yesterday to express smaller than its two rivals, in U.S. car and truck sales. in U.S. car and truck sales.

During the second quarter. the company's U.S. retail car sales fell 20.75 per cent on the same period last year. This was mild compared with the 57.5 per cent plunge in truck sales.

Chrysler's worldvede dollar sales fell from \$3.7bn to \$3.2bn. A profit of \$30.5m last year was transformed into a \$207-1m loss. Chrysler lost \$205m last year, and analysts estimate that its 1979 deficit will easily excee \$500m. The loss for the first six months totals \$260.9m (\$4.26 per common share), compared with a loss of \$89.3m (\$1.47 per common share).

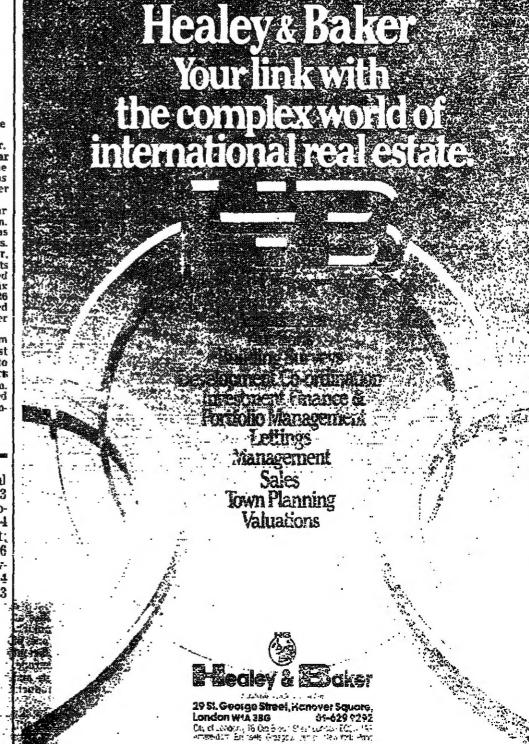
Working capital fell from \$1.145bn at the end of last year's second three months to 8800m, and eash and securities was \$424m down at \$252m. Shareholders funds equalled \$36.65 per common share compared with \$45.50. Lex, Back Page

CONTENTS '

Afghanistan: Soviet aid vital to survival Zimbahwe Rhodesia: glimmer of hope in of regime Lusaka 16 U.S. lifestyle: experiments in home co-Solar Energy: are Carter's plans ownership realistic? 17 Editorial comment: CBI forecast: Management: spiral to Japan's top jobs Lombard: Peter Riddell on UK borrow-European steel: harsh new measures in ing requirement 14 FT Report: Satellites 11-13



France



Wall Street RATON 25
codities 25
anies—UK 18, 19, 20
word 14
ain. Guide 14
arkets 22
san News 2
san News 24
auturies 25 ANNUAL STATEMENTS Arigun. Mur. Hidgs. BSN-Gervain Dns. For latest Share Index phone 87.28 5026

Soviet raps officials over mine deaths

By David Satter in Moscow

THREE MANAGERS of the Dzhezkazgan coppermines in Soviet Kazakhstan were reprimanded and other mine officials were tried and sentenced in con-nection with violations of safety regulations that led to the accidental deaths of three miners. the Soviet newspaper Trud reported.

Details of the negligence at one of the country's biggest coppermines bear a striking resemblance to allegations of inadequate safety procedures in the Donetsk coalmines, made by an unofficial workers' group. which was suppressed by the

Soriet authorities recently.

Trud said that Mr. V. Gurbu, director of the Dzhezkazgan Copper Combine, Mr. D. Esh-V. Kostynachenko, director of the Vostochny pit, were reprimanded and several junior officials sentenced after an accident at the Vostochny pit when the doors of a lift cage broke open and three men fell to their deaths.

The trade union daily said that the men were ordered to report to work on Sunday to clear a backlog in ore extraction caused of a period when the mine was under repair. Some 31 miners crowded into the lift cage, which was intended to hold only 20.

Trud said the mine officials tried to conceal the nature of the accident by pressuring miners to lie to investigators about the number of men in the

The newspaper said that last year there were almost 5.000 violations of the safety rules at the Dzhezkazgan mines and that on more than 1,500 oceasions it was necessary to

Similar allegations about conditions in the Donetsk coalmines were made to Western correspondents last year by a group of unemployed workers.

Mr. Vladimir Klebanov, leader of the group, said that excess overtime in the mines led to accidents which resulted in 12 to 15 deaths a year and

This offset package has been formally agreed by Herr Hans were documented for western correspondents by the workers Minister and his U.S. counterwho said they suffered persecution when they tried to raise ever. Congress has still not ment on the telephone system these matters approved the compensatory has also still not been made.

BY PAUL BETTS IN ROME

THERE ARE signs that Italy's

substantial current account

shortly come under pressure

as a result of rising oil prices

and a deterioration in the

terms of trade. Last year's cur-

rent account surplus of over

L5,300ba (£2,64ba) is likely

to be more than halved, on

Italy is estimated to have

to pay L4,000hn more for oil

during the next 12 months.

Experts appear to have been

hit by flagging world demand. uncertainties over future

domestic consumption and the

protracted industrial unrest

during the recent renegotia-

tion of a series of national

Moreover, infiation is con-

payments surplus

present trends.

labour contracts.

IFO WARNS AGAINST RESTRICTIVE POLICIES

Germany faces slower 1980 growth in Belgian

BY ROGER BOYES IN BONN

this year and a growth rate of spiral by intensifying its re-3.5 to 4 per cent is forecast by strictive policies, then a recesthe institute for 1979. But sion would be inevitable, IFO hereuse of the oil price rises, concludes. The institute because of the oil price rises, concludes. The institute disposable income is likely to stresses that the Central Bank fall in the coming year, while should stagger any further re-European and American de-strictive measures over a long mand for German products period. (IFO is reckoning with a recession in the U.S. in 1980) will that the also weaken. Combined with

crease unemployment with the Wuerttemberg regional organi-number of jobless reaching sation, it is by no means certain 950,000 in 1980, compared with that the grass roots membership

The \$1.8bn deal on the Boeing aircraft, known as the Airborne Warning and Control System.

was reached last year after

much haggling among the NATO parmers. The U.S. and

West Germany eventually agreed to pay almost two-thirds of the total price. But in return for its 30.7 per cent

participation, Bonn was promised among other things, that the U.S. would place orders

for a new telephone system for its forces in Germany and

would buy some 9,000 motor

German

from

part, Mr. Harold Brown. How-

the annual rate could reach

According to the national

economics institute, ISCO.

the strong recovery of indus-

trial production at the end of

last year and in the first

months of this year is begin-

None the less, overall

growth is expected to in-

crease this year by 4-5 per

cent. There is likely to be a

turnaround next year, how-

ever, when some economists

believe growth may drop to

ning to flag.

companies.

Big drop likely in Italy's

current account surplus

Widespread discontent

over NATO radar deal

THE West German opposition has threatened that it will try to block funds set aside for the purchase of the controversial Boeing AWACS early warning radar aircraft unless Washington speeds up its offset orders with German industry.

Aspect of the scheme,

Herr Carl Damm, Christian Democratic deputy and member of the Bundestag's defence committee, has now threatened that the opposition parties will not release the DM 100.4m (£24m) allocated for the scheme by 1980 unless some movement.

WEST GERMANY, digesting the an anticipated 880,000 in 1979. IFO's forecasts are based on The upswing in the economy money, and if the Central Bank is however expected to continue tries to prevent an inflationary

There is still a real possibility evidence. that the German trade unions the tight monetary policies increases—or at least incor-being pursued by the Bundes- porate an "oil" component in bank, these factors are likely to their next wage round. year, and will not make a major push down the growth rate to Although the leadership of the impact on the 1980 inflation between 2 and 2.5 per cent in nowerful metalworkers' union, rate. If there are no further 1980. IG-Metall, recently rejected.
This in turn is expected to in- such demands from its Baden-

by 1980 unless some movement is made on the U.S. orders.

The effect would be to freeze the whole AWACS programme,

which includes the eventual pur-chase of 18 aircraft by the NATO partners. Herr Damm

has conceded that the Opposition does not want to sabotage the scheme but intends the move as

a warning to the U.S. It

certainly reflects widespread German discontent with the pro-

gress of the deal and it is

believed that the Government

So far, the U.S. has placed only DM 3.1m-worth of orders

with Volkswagen (for 282 vehicles) compared with the

DM 211m it has promised to place with German motor manu-

facturers. The DM 190m agree-

may discreetly welcome it.

will accept this decision.

IFO, and indeed the unions, the prospect of much slower the assumption that most Ger- appear to believe that much will growth and higher unemploy-man unions will not demend depend on the future behaviour ment in 1980, although inflation supplementary wage increases of the oil companies. IFO does may fall slightly, according to compensate for the effects of the expect, for example, multi-the latest report from IFO, the the OPEC price rises. If the Munich-based research institute.

The design matter of the effects of not expect, for example, multi-national companies to invest the bulk of their (substantially increased) profits in Germany. The companies have also been accused of unjustifiably raising their prices. The Federal Cartel Office last week expressed disbelief that the companies price rises were fully justified by the high OPEC increase. Deutsche BP, however, yesterday called on the Office to re-examine the

> IFO considers that the main will demand supplementary effects of the higher oil costs on overall German price levels will be felt in the second half of this year, and will not make a major rises in the price of crude this year, then inflation could well be kept down to 4 per cent next year, marginally below the anticipated rate for this year.

The institute is, none the less adamant that there should be no major public spending cutbacks in 1980 and that indeed extra funds should be channelled into the alternative energy field.

The mixed-and far from bleak-outlook presented by the institute is also reflected in the level of business confidence. In its June survey of business opinion, IFO found that manufacturing industry was expecting slightly tougher times ahead in the next six months, mainly because of the higher supplier prices. Orders however, were up in June 25 was capacity utilisa-

tion. German building contractors are continuing to report good business, IFO found, despite signs that the construction sector might be cooling down. Some 45 per cent of the respon-dents in IFO's survey said that they had difficulties in fulfilling orders because of a shortage of skilled labour. Capacity utilisation was unusually high at a seasonally adjusted 70 per cent.

Sharp rise inflation expected

. By Giles Merritt in Brussels

DANGEROUS surge in Belgium's inflation rate, carrying the threat of a cut in the country's vital export trade, has been disclosed in the Belgian Government's proposed 1980

Details of the "austerity' Budget aimed at cutting the level of State borrowing next year have made it clear that a 6 per cent inflation rate is now expected for 1980.

Real GNP growth for next year is being calculated at about 2.54 per cent—somewhat lower than the expected 1979 figure of rather more than 3 per cen!while the overall increase in the Belgiaz economy will be 8.54 per cent.

Outlining the 1980 Budget, Belgian Cabinet Ministers have stressed that the package is intended to be a tough reversal of the country's growing dependence on State borrowing with the need to bolster the Belgian franc against further speculation as one of the primary considerations.

Next year, the Government borrowing requirement is to be BFr 231.700 (£3.4bn), or 6.5 per cont of GNP, from the 1979 level of BFr230bn, or 7 per cent of GNP. The 1980 Budget deficit is being reduced to BFr 82.2bn from this year's level of about BFr 100bn, with reduced socialservices spending being comple-mented by measures increasing taxation on the motorist. An increase in petrol excise is beingeccompanied by a levy on motor-

The underlying problem spotlighted by the 1980 Budget is likely to be Belgium's continued competitiveness in her major export markets of West Germany and Holland, and the resilience of the Belgian franc, The Belgian Government's calculation that the inflation rate of about 4.5 per cent for 1979 will next year rise to 6 per cent, coincides with West German forecasts of a 1980 inflation rate that will have slowed

to just over 4 per cent. During 1978, as part of its successful policy of pegging its inflation rate close to that of the Deutschemark, Belgium reduces inflation to 3.7 per cent.

Earlier this summer, Belgian franc was subjected to a series of speculative raids, on the foreign exchange market. with selling largely prompted by fears that snowhalling State borrowing was depriving Bel-gian industry of access to the domestic capital market, thus constricting growth.

The fear of a determined run on the Belgian franc has apparently been uppermost in

Turkish payments

ANKARA-Turkey will resume foreign exchange transfers for import payments tomorrow after virtual halt since early 1977. the Governor of the Central

Bank announced on Tuesday. Mr. Ismail Hakki Aydinoglu said that \$195m had been earchemicals and machine parts over the next two months.

Turkey, suffering its worst economic crisis and foreign currency shortage in decades, has limited its imports to oil and a few other vital items for more than two years.



SHAHPOUR BAKETIAR, Ship of Iran's last Prime Minister (pictured above). a mystery since he fled from his country last February, has respected in Paris, where he gaves surprise press conference, yesterday during which his hitterly attacked the Robert Blauthner in

Ment from office by the revo-Avaiollar Khomeini and who in his absence, proposed that

to allow the Iranian people to choose freely between a monarchy and a republican He painted a catastrophic

picture of the present situa-tion in his country. The revolution was a step back into the past, he said. chaos and agitation in the country was sickening and tens of thousands of innocent

people had been killed.

Regarding his own political future, Dr. Bakhitar hinted that he could be a last recourse. He indicated that he was living in France and said. he had received a three months residence permit.

Iran to hold crisis taks on economy

BY ANDREW WHITLEY IN TEHRAN

with Take Iranian domestic as saying that while Iran wanted economy still struggling nearly to settle all outstanding financial obligations in toto, the conto be held in Tehran next week. Organised by Mr. Mohammad All Mowlard, the governor of the Central Bank, businessmen.

the Central Bank, businessmen, sepnomy ministers, experts and dergymentiate been invited to aftend.

Mr. Mowavi, who is known to he concerded at the hasty and ill-conceived nationalisation of large sectors of the economy and over which he was not consulted, has threatined to resign if the massures screed at the confer-

measures breed at the conference are upt implemented.

Mr. Mover's said the conference would evaluate Iran's credit banking and monetary

policy. High on the agenda is expected to be the need to res-tore business confidence as well as a new international parity

former Western Oil Consortium operating in Iran have run into difficulties.

Dr. Kazem Hassibi, senior adviser to the chairman of the National Innian Oil Company, said that the consortium's board of directors had rejected NIOC's proposals no the settlement of their accounts, without giving any reasons fran was enquiring

bout the rejection.
In the daily newspaper Bourse, Dr. Hassibi is quoted

sortium was insisting on a piecemeal approach.

The 14-member consortium, led by BP, produced the bulk of Iran's crude oil for more than 24 years up to last December and also marketed the majority possible purchase by Iran of a consortium subsidiary company, IROS, began in London in June. No details have been disclosed

of NIOC's demands from the consortium during the recent talks, but it appears that Iran is talks, but it appears that tran is asking for compensation for what the Shah's regime had claimed were the western oil companies. Tailure to meet lifting and investment commitments, under the terms of a 20-year agreement signed in 1973.

Dr. Hassibi said the consortium had refused the NIOC proposition.

had refused the NIOC proposals because they knew they would have to pay large sums for their Meanwhile, in a separate previous broken commitments, development, a senior oil company official has reported that the current talks with the said nevertheless that the bilateral talks had not stopped.

In sharp contrast with the stagnation of demestic economic activity, Iran's oil exports have contributed to a steady rise in the country's foreign exchange

and gold reserves.

In an interview with the newspaper Ettelast the Central Bank
governor said that at the end of the last Iranian month, June 22, the reserves were about \$110n. At the time of the revolution the reserves were generally esti-mated at \$9bn.

Egypt denies violation of peace agreement

SY DAVIDLENNON IN TEL AVIV THE Egypthin Defence Minister, ment on all military listees

Kamal Hassan Ali, denied here yesterday that his country had violated the peace agreement with Israel by main-taining a military presence at the El Arisk girfield in Sinal.

Concluding a three-day visit to Israel, the Defence Minister said that the military personnel present at the airfield, which was handed back by Israel two months ago, were training a civilian team to take over the

General All was responding to complaints by Israeli Ministers
that Egypt had failed to comply with the peace treaty provision that airfields returned to Egypt in Sinar number used only for ivilian purposes.

Mr. Ezer Weisman, the Israeli

during their three days of talks. This included the need to arrange for some form of United Nations or international force to police the buffer zones in Sinai. General Ali said that Egypt would be open-minded on this point, which has been made an issue by Mr. Moshe Dayan, the Israeli Foreign Minister.

Meanwhile, the Jewish town-ship of Yamit in northern Sinai went on strike yesterday and the roads into Sinai were biccked by the settlers, who want the Government to speed up the decision on compensation for settlers homes.

At the same time a govern-ment committee has decided to

allocate I£350m (£5.84m) from the budget reserve for the creation of 13 Jewish settlements in Defence Minister, said that he the occupied West Bank Gaza and his guest had reached agree Strip and Golan Heights.

Syria denies Iraq move

EY OUR FOREIGN STAFF

ment were involved with the according to Arab diplomats in reported conspiracy in Iraq. Beirut. As a result of the conspiracy

within the rating Ba'ath Party, senior is expected to strengthen the regime, position of Brasident Hussein. Syria who took over from his close associate. President Ahmed Hussein Bakr. just over two

President Assad of Syria is reported to have spoken on the

PRESIDENT Hafez Assad of telephone with his Iraqi oppo ria has sent two senior mem- site number and to have sent bers of his Government to Mr. About Hallm Khaddam, the Baghdad, the Iraqi capital, and Foreign Minister, and Major continuing speculation that elements of the Syrian Government were firmly at the according to Keep distance in

> barrassing position. FINANCIAL TIMES published succept Sundays and holidays and holidays and holidays.

Spain adopts 1980s energy plan BY DAVID GARDNER IN MADRID THE SPANISH Parliament has emphasis has been put on the and fiscal incentives, energy

tinuing to accelerate and latest estimates indicate that 18 per cent at the end of the year, compared with an there are also indications that eight with outline approval.

opposition to a programme some 15 per cent of the country's energy is nuclear-based. has been blunted by the recent OPEC price rises.

three or four plants out of authorise new nuclear plants.

The central goal of the plan

Beeing's AWACS at the Paris airshow.

portant part in persuading the cellation by Iran of seven Germans to take on its AWACS aircraft has also in-DM 1.18bn share of the AWACS creased overheads and unit costs

project. However, doubts per- for Boeing, which has had to

sist, especially about the overall correspondingly shorten its pro-

The offset deal played an im- support and operation. The can-

The plan also provides for the lar were badly depleted in the wake of the Iranian revolution. while the pressure of maintaining supplies of aviation fuel and petrol for Spain's valuable tourist traffic has forced the Covernment to buy more than Im toppes at spot market prices. Approval of the plan will

give an immediate bost to the construction and capital goods industries, which claim that ing ahead with an Algerian-contracts worth more than Spanish gas pipeline; and to \$\$500m have been blocked by the 15-month delay.

at last approved the National need to reduce wasteful energy saving, research into new forms Energy Plan for 1977-87; after consumption, contains estimates of energy, and exploration for more than a year's hesitation that energy demand will rise to energy-producing raw materials the Belgian Government's mind. over nuclear power. By a 145m metric tonnes coal equi- particularly uranium, 40-vote majority in the Cortes, valent by 1987. A new developthe Government has approved ment is that the Government rebuilding of strategic stocks seven new nuclear power plants will be empowered both to re- of oil and derivatives, coal and

Spain aiready has three is to reduce Spain's dependence nuclear plants working, and the on imported fossil fuels for new ones will boost nuclear nearly 70 per cent of its prigenerated energy production to mary energy needs. To do this, around 11,000 MW by 1987. Ex- the plan aims to double coal pected Communist and Socialist production during the life of which will eventually mean that of natural gas to energy con-The NEP, in which strong encourage, through financial

the plant raise the contribution sumption from the present 2 per cent to 7 per cent by press-

already under construction, and vise this projection, and to uranium. Oil stocks in particu-

Terry Dodsworth reports on the prospects of success for Usinor and Sacilor

Unions yield: now it is up to management THE FRENCH steel-making cleared with the Government's former's problem is that its area because the Lorraint from These constraints forced on

unions finally threw in the sponge last week and accepted dracenian Government backed plans for restructuring

biz redundancy payments which will knock a hole in the French Government's budget provisions this year, removed the most important obstacle to the steel companies' return to financial

After six months of ferocious argument, the steel barons can at last see their way to achieving the kind of productivity should have gone the whole hog improvements they want. and thrown these two com-

The spotlight now shifts to the steel companies themselves, Usinor and Sacilor-Sollac. These two groups, the most heavily in- units, the present pattern of debted in the world before the Government bailed them out a rational solution to the problem year ago, have put their heads on the block with the promise to be back in profit by 1981.

This is a bold commitment. which they aim to fulfil in the following manner:

• Their financial base is being cleaned up by a new capital structure and a deferment of loss repayments. • Under the redundancy pro-

21,000 of the 130 000 workforce will be axed. Marginal plants will be closed down, and resources con- zones will provide the main centrated on fewer, more modern facilities.

A Effective capacity will be rehope that what remains can be run at closer to optimium level. more specific, tailor-made pro-

The first hurdle in this pro-

industry. The second is at least halfsurmounted, following the unions' agreement on the two-Their decision, sweetened by year redundancy plan. The rest will have to be taken as the investment plan gets under

> What will emerge at the end of the investment process will be a leaner industry concentrated in the hands of the two bulk steel producers.

> Some analysts in the industry consider that the Government panies together. But. quite apart from the managerial aspects of keeping smaller production presents a fairly of manufacturing economies.

Sacilor-Sollac, the result of an earlier merger, is almost entirely based in the Moselle region of Lorraine: Usinoi's main production facility is now at its big, modern steel-making complex at Dunkirk. The country has only one other big centre, at Fos, near Marscilles, at a modern complex owned by the

companies. These three geographical poles on which the industry of the future will be concentrated. To reach this target, the comduced, from about 32m to 24m panies are applying the classic tonnes of steel a year, in the remedies-trimming overheads, introducing competitive technology, and getting rid of the They will seek to alter the remote, out-dated plants which halance of their output towards owe their existence only to

worked-out ore deposits. This programme will in some ways be more difficult for has already been Usinor than Sacilor.

re-financing package for the older manufacturing complexes in the North around the Valenciennes and in west Lorraine at Longwy, are in relatively isolated locations.

> It was the decline of the coal and iron ore industries in these areas which forced the company out into the coastal development of the traditional plants has become uncompetitive. Thus the axe is falling savagely in these

only continue at considerable cost. Some 8,500 jobs will go in this area, from a swingeing cut-

back programme which includes the closure of 14 steel works, 14 roughing mills and 35 flinishing About FFr 1bn (about £100m) Both the Valenciennes region

of extraction.

a year is currently being spent in modernising what is left. The

years of life at current rates

But manufacturing can still

ore deposits which it owns are the project because of

reckoned to have another 40 slump, have undermined the

Some analysts consider that the Government should have gone the whole hog and merged Usinor and Sacilor, but the existing pattern of production presents a fairly rational solution to the problems of manufacturing economies.

and Longwy will lose about 5,000 jobs in the next two years, and steel-making will virtually come to an end.

What is being kept at both these sites are the rolling facilities, mainly because the expeninvestment in these plants has already been made.

The overall effect of Usinor's about 9m tonnes in 1974. moves will be to emphasise the concentration of its productive; area is at Fos-the coastal capacity, which will stabilise a about 11m tonnes, on Dankirk This is reckoned to be one of the most modern and efficient steel works in Western Entrage importing ore, working it, and Listnor. producting mainly flat products. This was designed as an inteat the end.

It will also be used to sapply capacity of 7m tonnes of rolled perison. Meanwhile, they ask, managements, is to get Denain's hot strip rolling ball, products a year, but, at the being done to invest in rationalisation programme Sacilor has a more sold set moment, its steel-making capa, periodic sectors? co-sfully over and null in its traditional steel-making capa, is limited to 3.5m tonnes. Some detailed answers to this industry back into profits.

company will emerge with integrated facilities (cokeries, steel works and milis), which rationalise the output of long products (billets, beams, etc.) in one small river valley, and slats (plate, etc.), in another.

Total output in the area will be reduced to 6.5m tonnes from The third main production works conceived by Sacilor-Solac to use higher quality

tion owned jointly by Sacilor

foreign ore-but now run by

Solmer, a co-operative organisa-

prohibility of Fos. Nevertheless, it is now believed to be running on the right side of break-even. Most observers accept that these sweeping plans for the French industry will give it a fighting chance of meeting its financial targets in the early

It will be helped towards this objective by the decision of the Government to free steel prices, which have been controlled for the last 20 years and depressed well below world and West European levels during the 1970s. French prices are now edging closer to the European levels, and the steel companies say they will be happy

However, doubts remain about whether the French groups have the long-term flexibility and range of products essential for healthy survival.

The main change in the industry has been-and continues to be-the push towards flat, as opposed to long, products, based on the long-term forecast of continuing growth in the steel plate-using sectors, such as the vehicle and consumer durable industries.

Usinor is calculated to have at least 80 per cent of its production in this area already. Socilor's objective is to move towards a 60-40 ratio of flat to longs. But observers point out for the moment, he a secon that this is a common trend in consideration. The first taket the world industry which will grated works with a potential inevitably increase overall com-Meanwhile, they ask, managements, is to get the



question may come during the next few months. The French special steels industry, which as an output of about 3.5m tonnes a year, is at present going through a period of agonising reappraisal which may lead to the absorption of some of its facilities into the bulk producers.

Already, both Usinor and Sacilor have indicated that they are interested in diversifying with another 1 or 2 per cent their base of operations. Using took on some special activities with the purchase of Chatillion. Neuves-Malson a year ago, and, just last week, Sacilor has taken over Pompey, a group with products aimed particularly at the motor industry.
Socilor has also moved

cently into stockholding, with the purchase of Davum a group with international interests. In addition, it says that it is trying to pick on particular areas where clients have specific needs and margins are higher. For example, it is moving out of thirs for pre-stressed concrete. moving into higher quality for nuclear power stations. But these developments and the one on which the

Government will judge the

ce-sfully over and buil

هكذامن الأجل

Their aim is to emphasise everal hundred neople opposed that the Syrian Government was the Iraqi regime of President not involved in the conspiracy, that the Syrian Government was Saddam Hussein are said to be even though one of the leading awaiting trid. The Govern Iraqi plotters, Mr. Mobie Abdul nient's clampiown on the con-Hussein Mashhadi, confession to spirators, who formed a bloc having been in contact with a senior member of the Syrian Syria is thus in a deeply en

New threat to Janata Party

BY K. K. SHARMA IN NEW DELHI

POLITICAL changes in position that both the Janata leader of the Opposition in she has quarrelled. Mr. Charan power a coalition government are seeking the support of Mrs. led by Mr. Charan Singh of the Indira Gandhi's Congress (I) newly-formed Janata (S), are faction. now having their impact on the Sures ruled by the Janata Delhi—the Janata in order to

The party rules six States in the Janata (S) to survive-and the northern Hindi-speaking are doing much the same in the belt. With the formation of Mr. states, although Mrs. Gandhi Charan Singh's new Janata (S), their Governments are threatened, since many legislators are expected to flock to the Prime Minister's party.

The immediate threat is to the Janata Ministry in the northern State of Haryana, where a protege of Mr. Charan Singh was recently replaced. Changes are also expected in Untar Pradesh and Rajasthan, where the Janata Party is

India, which have brought into Party and the new Januara (S)

They are doing so in New topple the new Government and following there is limited.

In the turbulent State Bihar, Mrs. Gandhi prevente the Janata Government from being toppled by asking Her followers to support it in a confidence vote.

She did this because she des not want the stigma of re-moving the Harijan (In-touchable) chief Minister in power there. Another readon here the Janata Party is is that her emissaries are had-reaking up.
ing talks with Mr. Jagjian This has led to the curious Ram, the Harljan leader, by

Parliament,

Mr. Ram has been elected leader of the Janata Parliamentary Party in place of Mr. Court, who was passed over for Morarii Desai, who has anthe post of Chief Justice by nounced his retirement from Mrs. Gandhi. public life.

Mr. Ram insists that the Charan Singh coalition is in a minority and that he will be able to prove this when Parliament meets in the third week of Angust.

But to achieve this he needs the support of Mrs. Gandhi. Overtures to her made by Mr. Ram have been received surprisingly well. The reason is the growing tension between Mr. Charan Singh's Janata (S). and Mrs. Gandhi and her supporters in Parliament.

Gandhi is visibly annoyed at the inclusion in Mr. Charan Singh's Cabinet of Congress Ministers with whom

Singh has appointed as his Law Minister Mr. H. R. Khanna, a former Judge of the Supreme

She has taken this to mean that Mr. Charan Singh plans to press ahead with cases against herself, her son and his associates.

This is probably a correct assessment, since Mr. Charan Singh has indicated that he does not intend to permit Mrs. Gandhi to dictate terms to him. Rather than wait for her challenge, he has decided to call the cards from the start.

The attitude of both inthe prospects of factional manoeuvering adds to instability, both in New Delhi and in the States.

Editorial comment, Page 16

Sithole party ends Hoycott of Parliament

The Rev. Ndabaningi Sithole But he said: "Our supporters African interests now being told a news conference that his and many people throughout dangerously compromised in Zimbabwe African National the country now feel satisfied the name of maintaining white Union (ZANU) faction was to that our point on irregulaties standards, Mr. Sithole said. drop the protest boycott it has been sufficiently made began immediately after the He supported the refo began immediately after the He supported the reform of General Election in April the constitution to give tecks brought his rival. Prime a more powerful say in the Minister Abel Muzorewa, to administration, a referend

Zanu-Sithole cold-shouldered

Zanu-Sithole cold-shouldered the handover from mainly white rule alleging that Bishop Muzorewa's election victory was rigged.

Zanu-Sithole won 12 parliamentary seats in the election, entitling it to two posts in the bi-racial coalition Cabinet. But Mr. Sithole said it had not been decided whether or not to take them up.

Blacks and whites, and arther General Election.

"People already pect another, and more conclude, election." Because of our pition their vigilance is bound to peck other possible election decanged.

Mr. Sithole's amnouncement followed a weekend part conducted whether or not to take them up.

a new constitution inv blacks and whites, and a

The Muzorewa Government, includes five white Ministers, was not aware of its new role, he said. It gave the impression it was an extension of the Rhodesian Front of former Prime Minister Ian

Mr. Smith is Minister without Portfolio in the Government, which Mr. Sithole described as cratic Party of veteran nationalhaving an African face with a white substance.

The Cabinet Portfolios of Health and Roads are being held in an acting capacity by them up.

He said there was a griving two of the present 17 Cabinet

Mr. Sithole said his party feeling in Zimbabwe Rheesia Ministers, awaiting their taking
was going ahead with a petition, that since the installation of a up by Zanu-Sithole.

SALISBURY — Zimbabwe to be heard by the High Gurt bi-racial, black-led government Mr. Sithole said it had not Rhodesia's main internal black on August 29, detailing alliged on June 1 the aspirations of the poposition party today announced that it was ending demanding that the politic betrayed.

Its boycott of Parliament.

declared null and void.

His party had to rescue would be.

ten members of the Prime Minister's United African National Council (UANC), five members of the Rhodesian Front and two members of the United National Federal Party of Chief Kaylsa Ndiweni.

The UANC holds 44 parliamentary seats, the RF 28, Zanu-Sithole 12 and the UNFP nine. tribal mafia." Reuter

The present Cabinet includes

ist Mr. James Chikerema, who split with the UANC in June,

Japanese seek cut in deficit

By Richard Hanson in Tokyo

spending

THE JAPANESE Ministry of hold the increase in appropriation requests for next fiscal year's national budget to an austere 10 per cent to help to reduce deficit spending by the Government, according to a draft compilation plan sub- assault rifles. mitted to the Cobinet yesterday,

The plan would limit the increase in fiscal 1980, starting March 31 that year, to about 9.8 per cent over the fiscal 1979 budget. The fiscal 1979 rise was 13.8 per cent, compared with 14.6 per cent for fiscal 1975.

This year's yen 35,600bn general account budget depends nearly 40 per cent on financing through issues of national bonds, which has thrown the domestic bond market into dis-

The Finance Minister, Mr. Ionei Kaneko, told the Cabinet that no increase will be allowed in administrative expenses. Rises in outlays for policy projects will be limited to 10 per cent, but spending to cover foreign aid will be allowed to increase by more to meet Japan's promise to boost official development aid.

Outlays on energy development will also be exempted.

Work on the budget has begun rather early this year. Various Government ministries The remaining seven seats are and agencies are expected to held by the Zimbabwe Demo- submit requests for appropriations for the next year by the end of next month. It is the split with the UANC in June, first time in nearly two decades alleging it was being run by a that the Finance Ministry has attempted to limit the increase

FIGHTING CONTINUES IN AFGHANISTAN

Russian aid vital to regime

BY SIMON HENDERSON IN ISLAMABAD

CONSTANT FIGHTING on the Pakistan-Afghanistan border, so much a part of life in Kipling's time between the British Army and local tribesmen, continues

that now Russian Except THE JAPANESE MIDSLY Of officers advise the army of Finance (MOF) is seeking to Afghan President Nur Mohammed Taraki, who are falling to bullets aimed by Moslem tribesmen. And instead of Jezails (muskets) the tribesmen are using old British Army 303 rifles. or increasingly quently, modern Russian AK47

The fighting, which began soon after the coup that overthrew President Daoud in April 1978, has escalated in the past few months so that most areas of the country are affected. In the past week alone the rebels have cut the main road from Kabul to the Pakistan border in Islamabad three times.

It is almost a stalemate. Conservative tribesmen, annoyed by high—stratal's reforms in education and agriculture and his links with the "godless" Russians, control the country at night. The right up to the outskirts of the main towns. The government forces, bolstered by 4,000 Russian advisers, rule during the day, even though several garrisons in the eastern provinces are effectively cut except by helicopter or armoured column.

Russia has long tried to assert influence over Afghanistan. There were Russian advisers even in Daoud's day, but Russia, so the Pakistanis believe, is now trying to take advantage of Taraki's left wing Khalq Party rule to push south for a port on the Indian ocean.

chaos in Iran. Pakistan sees it- groups is their greatest weakself as the next domino to fall. ness. The actual fighting is done
It is particularly scared of the mainly by the different tribal prospect of Russian-backed Aighan attempts to preach secession in the minority pro-

AFGHANISTAN PESHAMPAR PARISTAN

vince of Baluchistan. The West, annoyed by Pakistan's barely concealed efforts to make a nuclear homb, is not, in the opinion of Islamabad, doing

enough to help. Pakistan is left playing a cautious game. More than 120,000 Afghan refugees from the fighting live in Pakistan's border areas. The total cost is high—\$20 a head each month for food and tents, more than a poor country like Pakistan can

The danger is that the Afghan army will take action against rebel camps in Pakistan. Already there have been inci-dents of shelling and strafing. Pakistan officials say they have kept most of their own tribesmen out of the fighting and they disarm he refugees as they come over. But traditionally most men in the north-west frontler province are armed, so tight control is impossible.

In the provincial capital, Peshawar, rebel groups have offices complete with their own armed guards. But they are kept under close surveillance. sometimes amounting to house With the post-revolutionary arrest. The lack of unity of the

victories against

cant but not mauling. Convoys have been destroyed, and the occasional helicopter shot down. So many AK47 rifles have been captured that the black market price in Pakistan has fallen from \$5,000 each to under

Eur militarily the Kabul recime is holding on. Russiansupplied MI-24 helicopter gunships are in action regularly Napalm has been used at least

once on a tribal camp. Diplomatic reports from Kabul now indicate that the Russians may be trying to avoid further political embarrassment by encouraging a change in Chalq Pacty leadership. The 62-year-old Taraki might be safe as he is a father figure to the nation and to remove him would be to discredit !hemselves completely. But Hafizul-lah Amin, the Foreign Minister and described as "Taraki's hatchetman," might be dispens-

The Russians have some leeway. Elite groups in the military remain loyal to the regime, particularly the armoured corps. Also, even if the tribes were to unite and succeed in overthrowing the regime completely. any new government would still have to deal closely with Moscow, a fact of tile which even the rebels recognise. Moscow would never tolerate an Islamic régime on Iranian Jines to establish itself in Alghanisten, where the strategic stakes are so great.

recognisable external aid to the rehels. They have had in rely on private contributions and by moving into the international drugs trade emanating from the area's vast crop of opium poppies. But confrontation with the Russians might encourage the Arab Gulf states and Saud! Arabia, worried by the tightening Soviet noose on the straits Afghan army have been signifi- of Hormuz, to act more openly.

Hong Kong money supply soars BY PHILIP BOWRING IN HONG KONG

HONG KONG's money supply vailing more than 40 per cent, weakening of an already weak according to the broadly-defined Despite speeches and gram-currency. according to the broadly-defined Despite speaches and arm currency.

M2 indicator rose a further 29 ines of Government action The tra ber cent in June, with domestic, unless the banks reined is the Hong Kong dollar is now at loans, and advances up by 2.8 lending growth, the rates in an index level of 88, nearly 25 per cent, compared with May. crease has barely stacken to no per cent below the high reached the Government purports to a 12-month basis, advances are two-and-a-half years ago. in new credit creation, but it month to month annualised is now widely believed that the basis up about 40 per cont. situation is hopelessly out of Loans in Hong Kong have doubled in only 26 month with

Ten months ago Mr. Philip, real GDP growth this year gained 65 points this month Haddon-Cave. Financial Secretalikely to be in single gures, despite the growing likelihood of tary, warned of the dangerous Continuing rapid growth in a U.S. recession which would de-stabilising impact of the high credit is likely to mean antinu-nave rate of credit growth then pre-ing double-digit inflation of the Kong.

The trade-weighted index of

creation may explain the recent upsurge in the stock market. The Hang Seng index lost 19 points yesterday, but has still have a direct impact on Hong

Peking attacks the 'high life'.

REFORM of the Chinese Communist Party's cadre system— the culmination of months of protest against leaders who buy luxuries and seek privileges for themselves and their families has been urged by Hu Yaopang. Third Secretary of the party's Central Commission for Inspect-ing Discipline, AP reports from

exing. Regulations must be drawn up at once to enforce discipline, overcome factionalism and safeguard unity, Hu declared. The new rules should include criteria for the party's internal political life, standards for the living conditions of leading cadres, concrete stipulations for the conscientious practice of democracy, and the rights and duties of party members."

New Australia 'strike'

Minor indications of liquid-hydrocarbons have been encoun-tered in the Bruce No. 1 Well off Western Australia, Stirling Petroleum said yesterday, Renter reports from Perth. A rig is preparing to drill to a depth of 2,800 it off Port

Boat people search

Ships of the U.S. Seventh Fleet which last week rescued 65 Vietnamese refugees from the South China Sea, will make a similar sweep in the opposite direction at the end of the week, Reuter reports from Manila The task force, headed by the carrier Kittyhawk, is now at Pattaya, Thailand.

N. Korea accused

The U.S. Command accused North Korea yesterday of con-tinued infiltration of hostile forces " into South Korea, by sending another armed spy boat deep into South Korean waters recently. AP reports from Pannunion, Maj Gen. Han Jukyung chief Pyongyang delegate, flatly rejected the charge as a fabrication and claimed that Pyongyang had nothing to do with the alleged

AUTHORS WANTED BY N.Y. PUBLISHER

Street, NY 10021

China's new laws stress rights of the individual

People's Congress care month promulgated neglegisonth promaters of the seven laws pushed, so one concerns joint ventual with foreigners and two are of constitutional matters. The main-however, relate indidirectly to the right of

vidual in criminal and matters. They repre effort by the leadership a more equitable societ ducing the powers of security officials and the who until now have bee enforce arbitrary and

The new system revise legislation set up in 19 formal legal system i three components: the the police (the public administration) and the torate.
It functioned up to

tural revolution by destroyed in the viole and was not restored. U 1975 constitution, the torate was placed under lic security administra last year the National Congress re-established pendently, as a forer

In the 1950s the lega operated alongside the system of justice appli

BY COLINA MacDOUG AFTER 13 years during which party, which often had the right of investigation and decision. Since the cultural revolution this trend has increased, with the public security administration, if it functioned at all, doing so in secret and without the

> own punishments. Few, if any, had anything approaching a fair trial for offences such as "taking the capitalist road." for which the

toreign concept to the Chinese of today that so far bafflement is the main reaction. Peng with the law, not the party.

ormal the party or it would not have by the revived the legal system at all.

gaon

BY BRIJ KHINDARIA GENEVA

ASIA'S developing are running into difficulties in their att obtain loans on terms from foreign private ments and according to a United

report In overall terms, the has increased, but the ing nations are less in obtaining loans cessional terms.

The report, presente Economic and Council annual ses Geneva, summarises and social conditions and Pacific regions.

Concessional terms offered to many Asian because of their lor ratings, the report says the worst hit countries

tries in the Indo-Chinese peninsula

The Far Eastern countries registered high industrial and economic growth rates, but customers. The South Asian countries

Asian Nations (ASEAN) is emerging as an increasingly important force in the Indo-Chinese area.

the rule of law was un suspended, China's courts while the party made its own judgments and awarded its

> sentence. called re-education. during the cultural revolution was despatch to the countryside accompanied by beatings, often ending in death. The rule of law is such a

> Zhen, once a close associate of Mao but himself a victim of political judgment in the cultural revolution and rehabilitated last December, last week had to explain to a legal gathering that the final authority in judicial matters does now rest Perhaps ominously he added that party committees should "examine and supervise" the work of the courts and pro-

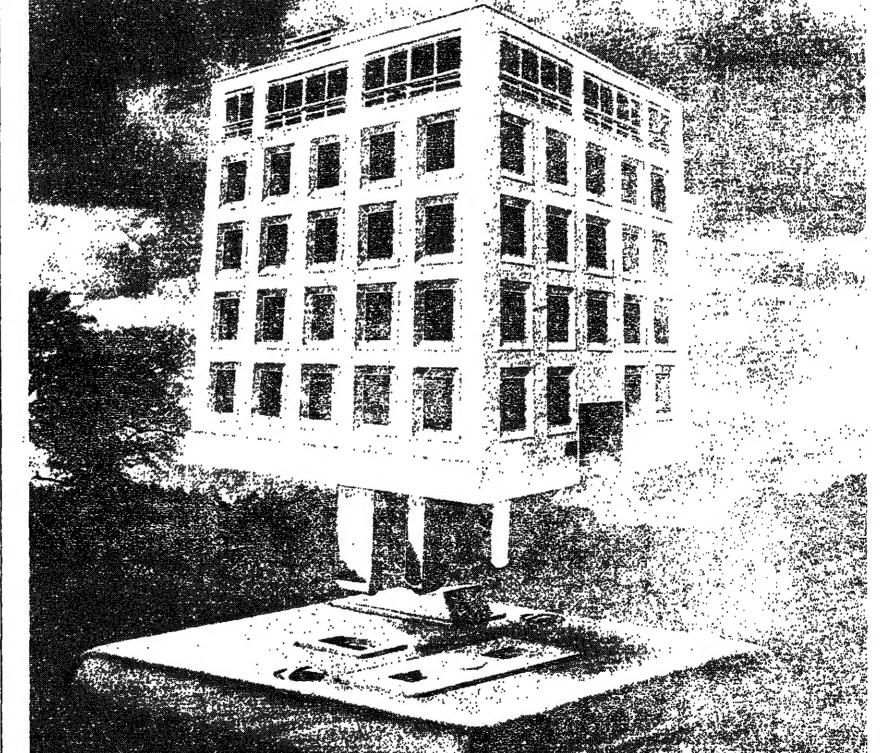
curatorates. Nevertheless, the present leadership obviously recognises the need to have some check on the party or it would not have

Loan prolems for Asia

where continuing conflict and political instability are hampering economic performance as well as regional co-operation.

their more successful manufacturing sectors such as textiles and clothing, footwear, steel shipbuilding and petrochemicals are now jeopardised by increasing protectionist barriers raised their better-industrialised

gave the most disappointing economic performance in both the food and industrial sectors.
The Association of South-East



lo save money, just plug in.

If you've a building at the plan- electricity means you can integrate ning stage, you'll be only too aware all its systems. From heating to hot the operator for Freedone 2282. of its complex energy needs.

It has to be lit, heated and ventilated to keep everyone comfortable. It needs lifts, catering equipment, constant hot water, and and explain the energy-saving a host of other facilities. And it all techniques available. has to be done as economically as possible.

Every Board in the country has access to a team of experts who can advise you on energy management

coffee. From lifts to lighting.

Techniques like recovering heat that would otherwise be wast-

That's why we're suggesting ed, and redistributing it through you contact your Electricity Board: the building. All at the minimum Electricity is likely to be the expense of energy. single most important form of the expense of energy. We can also tell you about energy for any new building, that can project energy requirements that can project energy requirements while your building is still Planning a building around at concept stage.

To find out more, dial 160 and ask

	•
-	
	Or clip this coupon and we'll send you
	AND DEED NOT AND

a copy of the BEEP broklet. To: Simon Stevens, The Electricity Council, 30 Millibank, London SWIP 4RD.

Using our energy can save yours.

The Electricity Council, England and Wales

Kissinger SALT backing hedged with reservations

BY JUREK MARTIN, U.S. EDITOR, IN WASHINGTON

Dr. HENRY KISSINGER, the former Secretary of State, yesterday issued an endorsement of that the U.S. Senate will ulti-Nunn, the Georgia Democrat, mately ratify the treaty in its have also called on President present form.

In effect, Dr. Kissinger proposed that SALT should be approved only if the Administration and Congress together Soviet "aggression" in other produced a major defence spending programme to rectify the Dr. Kissinger returned to this threatened military imbalance with the Soviet Union.

a "vigorous expression" of its misleading the Soviet Union: view of the linkage between SALT and the Soviet Union's conduct elsewhere in the world detents and the reality of the and also to add to the treaty systematic undermining of the such amendments which, while geomolitical equilibrium." such amendments which, while not requiring renegotiations of what he described as "ambigui-

for eight years in the Nixon and Administrations. his tems. advice was expected to weigh heavily on the 40-odd senators hose votes on SALT remain an uphnown quantity.

The committee hearing room was packed yesterday with interested observers and his lengthy testimony was prepared as to command the maximum journalist in town, it appeared, was provided with copies of what he was to say in ample

time for deep perusal. But perhaps the most telling comment of all came when Senator Jacob Javits pressed him as If the SALT treaty were subject to a straight up and down vote: Dr. Kissinger responded that although it was not that simple, he would vote "No" unless the sort of reservations he had out-

BY JUREK MARTIN

Commerce Department.

preliminary estimates by the

This follows a modest 0.3 per

cent advance in the index in

May and the sharp 2.1 per cent drop in April. It means that

that measurement now stands at

June last year-evidence of the

downturn in economic activity.

if it moves up or down for three

months in a row, it is supposed

to portend a shift in economic

fortunes. This has not been an

infallible guide, but is con-

After negotiations for wage

increases dragged on, 15,000 of

the union's \$0.000 members

called a strike on Sunday night,

and a rally on Monday morning.

Firemen were called to ex-

tinguish a blaze in a taxi.

apparently turned over and set

on fire by strikers and violence

BY JOHN WYLES IN NEW YORK

has received a surprisingly

early expression of support for

his re-election from leaders of

admit they are rallying round

because the President is in

trouble and needs their help.

individual unions to launch

efforts to secure the nomination

and election of chosen presiden-

done so in the past so far in advance of the primaries and

The six union leaders who

ne sinating conventions.

tial candidates, they have never framing.

The American

CIO) claimed yesterday Amtrak.

Although it is quite usual for

reported killed.

BY DIANA SMITH IN RIO DE JANEIRO

and several dozen workers, fire- and grenades.

1.1 per cent below the level of

Dr. Kissinger had given a pretty fair indication of his thinking on SALT in a long the Strategic Arms Limitation article he wrote for the Economist earlier this year. Union so hedged with qualifica- Since then, a number of other tions and attendant recommen- influential senators, most notedations as to enhance doubts ably and recently Senator Sam Carter to undertake a majer development of U.S. military capabilities so as to reinforce American resources to combat

theme yesterday in arguing that th the Soviet Union.

He urged the Senate to issue isolation since that would risk "Moscow cannot have it both ways." he said: "the slogan of

Nevertheless he did acknowthe agreement itself, clear up ledge that failure to ratify the SALT treaty would be seen as ties" in the current document. having a disruptive impact on His testimony before the East-West relations and added Senate Foreign Relations Com- that "any fair-minded analysis" mittee has perhaps been the of SALT would have to commost eagerly avoided to date. clude that it had beneficial Controller of U.S. foreign policy aspects in its placing of overall

But the aub of his objections was that any strategic arms limitation agreement tended to ratify existing trends in respective military ability—and the trend over the last decade and more, he argued, so favoured the Soviet Union at the expense and delivered in such a manner of the United States that remedial action was imperative systems permitted the Soviet if the U.S. were not to be placed in grave danger in the

He did not seek to lay out what weapons systems the U.S. gramme, though he sharply disagreed with the assertion that submit an annual report to Conthe Carter Administration had gress on Soviet compliance with been faced with "a choice between going ahead with the B-1 bomber and deploying the Cruise missile,

the treaty and which limits was inimical to U.S. interest

cators, which are designed to declined in three of the six was already under way.

into a severe recession.

preting the index. Classically, national product in the second

men and policemen injured in condemned firemen and police the Brazilian city of Belo for their handling of the

Horizonte, capital of Minas incidents, but have also admit-

Gerais state. A fireman was also ted that agitators appear to

PRESIDENT JIMMY CARTER obviously responsible for the

have formed a Labour for Clothing and Textile Workers

Carter / Mondale Committee tration's restrictive stance on sent of all union members in textile imports while Mr. Jack

deration of Labour-Congress line Clerks is lobbying bard

Industrial Organisations against possible

grafine White House staff was subsidised railway.

half a dozen large unions who for supporting Mr. Carter,

A certain amount of statistical in a recession, given the 3 per cession were to turn out to be casuistry is involved in inter-cent plus decline in gross deeper than currently feared by

Mr. Paul Volcker, chairman-

only on Monday that he did not

Police grenade kills Brazil striker

A STRIKING building worker erupted with strikers and riot seek compensation for the death

have infiltrated the strikers.

Some of the crowd went on a

rampage, invading shops and offices. Yesterday Beio Hori-

zonte was reported to be

President Joao Figueiredo

issued a statement lamenting

the loss of a life and injuries

to workers and policemen. An

inquiry is to be held and the

building workers' union will

Labour leaders' boost for Carter

who is co-founder of the com-

interest in a new federal mari-

time policy which the Adminis-

tration is still supposed to be

Similarly, Mr. Sol Chaikin, of the International Ladies Garment Workers Union and

Mr. Murray Finley of the

Carter / Mondale Committee are interested in the Administrate actively seeking a Kennedy

Otero of the Railway and Air-

mittee leads the Seafarers colleagues Union, which has a keen Edward Ke

curs

Government.

reasonably calm.

was killed by a police grenade. police exchanging blows, stones and injuries of its members.

sidered a useful rule of thumb. necessarily concur with the pre- to the fight against inflation.

the first three months and by fighter against inflation. He

1.7 per cent in the April-June warned that interest rates

period. The last time this might have to rise further as happened was in the last part of an even tighter monequarter of 1974 and the first tary policy if inflation were to

It is, of course, widely be-between the economically and lieved that the U.S. is already politically desirable. If the re-

quarter of this year. However, dent may fee! impelled by

designate of the Federal tions to more to stimulate the Reserve Board, told Congress economy towards the end of the

committee's formation. It was Mr. William Wynn, president of pointed out that some of the largest AFL-CIO affiliate.

union leaders had good reasons the 1.3m-member United Food

Mr. Paul Hall, for example, discussing his initiative, Mr.

quarter of 1975, when the be reined in economy was indeed moving But his



pressed Dr. Klssinger (below) to say how he would vote on the treaty: the answer was



missile Cruise should not be extended beyond its scheduled 1981 expiry date: that the Senate should issue a statement that the U.S. should Union under the agreement: and that it should be made clear entitled to whatever new tech-nology the U.S. develops.

He also advocated that the a SALT treaty, with the Senate any subsequent strategic limitation talks be terminated in But he did recommend that compliance is unsatisfactory or

But his assertions clearly

point up a potential conflict

the Administration, the Presi-

political and social considera-

year-perhaps at a heavy cost

Strikes by industrial or white

collar workers have been com-

mon since President Figueiredo

took office in March. Generally,

although clashes occurred in

Sao Paulo state. The Belo Hori-

zente violence is the first to

presenting a more humane face

than its predecessors, and on

perature cool in industrial dis-

putes until the police change

Co-founder with Mr. Hall is

and Commercial Workers. In

Wynn says that he and his

Edward Kennedy's statements

that he is not a candidate.

accept

The union leaders will not be

drawn on whether they would

prefer Senator Kennedy as some of their AFL-CIO col-

leagues have made clear. Left-

wingers such as Mr. William

Winpisinger of the machinisis

candidacy and are still privately

prisingly early birth of the com-mittee, Mr. Hall said: "This

President needs all the help he

Commenting on the sur-

optimistic that it is feasible.

have trouble keeping the

The new Government, bent on

involve loss of life.

have been peaceful.

property taxes. Aside from the personal ad-Leading indicators fall 0.1%

THE U.S. leading economic indi- So far this year, the index has vailing view that a recession But condominiums are also under attack. Citizens' groups point to future trends in the months, but not consecutively. Mr. Voicker's purpose was economy, fell by a slight 0.1 per cent last month, according to make the size of months, but not consecutively. Mr. Voicker's purpose was consequently a slight 0.1 per cent last month, according to make the size of monetary discipline makes the size of monetary discipline. direct their criticism to the conversion process, claiming that only more affluent people in a row-by 0.2 per cent in and as a consequently staunch

say that the sudden loss of so many rental units artificially forces up the rent of those that remain. The critics even include some landlards, who say their best tenants are moving out to "condo "-owners.

conversion process, politicians are not ignoring the strident citizen protests. In Chicago.

two City Council sub-committees are studying more than 20 ordinances that would early the conversion craze by imposing a windfall profits tax on "condo "-developers and granting tenants the "right of first refusal" to purchase their building once it goes up for sale and arrange the conversion themselves - at a

tremendous financial saving. San Francisco's Board of Supervisors recently passed legislation limiting to 1,000 the number of annual conversions, and requiring that 40 per cent of the existing tenants express their intent to purchase their flat hefore the building can be converted. Washington DC City Council passed a 90-day moratorium on conversion of

high-rent housing effective

Incentives gradually softening Brazil's draconian labour laws, may

from May 29.

During this time, an 11erson commission is developissues as incentives to build erection of a revolving loan income earners who want to buy condominiums. Condominiums are eften

expensive. Two-bedroom units In Chicago, most of the converted properties are high-

In the more desirable areas. purchasers are paying \$100 a quare ft. which places many units in the category of \$100,000, and above. With mortgage interest rates hovering around Il per cent and monthly "maintenance costs

Despite the price, demand remains strong. As communities likely the rush to convert, prices of existing "condos" will blimb still higher. Somethings the cure is as distanteful as the disease.

U.S. aero engine makers bid for Air France order

Whitney has offered:

worldwide.

BY TERRY DODSWORTH IN PARIS

French aerospace industry over large U.S. rival in the world ferent national interests.

The question of the engines to aero-engine business, because of There are clear arguments in the used by Air France on the its design and development links, favour of selecting more than new range of A310 Airbuses.

The recurrence has relicated after the national air-

The argument has arisen after a well-publicised offer by Pratt and Whitney, the U.S. aeroengine manufacturer, to supply Air France with its JT9D-7R engines at what looks like bar- 17 Boeing 747s. gain basement prices.

From Chicago to Washing-ton DC, San Francisco, Los Angeles and surrounding While Air France itself seems well-disposed towards the deal suburbs, conversions of rental the State-owned SNECMA enflats into individually-owned gine manufacturing group and General Electric of the U.S. are flats, or condominiums, is becoming so prevalent and anxious to keep their monopoly of the jointly developed CF6-80 generating such protest that many city governments have passed or are considering restrictive legislation. engine, which has been fitted to almost all Airbuses so far.

In Chicago, for instance, since the first building was converted into condominiums in 1965, about 50,000 flats out f an estimated 900,000 have disappeared from the rental

When one

American:

comes true

OWNING a home has been one part of the "American dream" long denied urban

apartment dwellers-until re-

cently. Now, instead of giving

the monthly cheque to a land-

lord, a growing number of

Americans are making mort-gage payments on their own

dream

By Maralyn Edid

Real estate experts report about 5,000 flats were put up for sale in the first five months of this year, while 1,356 units went on the market in Wash-ington DC during the first

Condominiums are individ-nally-owned units within a hullding, where common property, such as hallways and grounds, is held by all the flat-owners who pay property taxes, mortgages and ordinary bills for their particular units, but share maintenance costs for the common terri-

Conversion craze

The conversion crare has been dubbed "condomania" and is prompted in part by recent changes in federal income tax laws that decrease the tax liability of a building numer who sells his property and by the handsome returns accruing to developers who convert buildings into condominiums.

Demand because of the growing tendency of individuals to perceive property-ownershin as a risk-free investment and because flat-owners build up equity while benefiting from federal and state tax deductions for mortgage in-terest payments and local

Aside from the personal an-vantages, condominium sup-porters insist that property ownership is a boon to the eities—promoting stability, increasing property values and encouraging political in-volvement by people who now have a stake in the com-munity.

The citizens' groups also

Despite powerful real estate interests pushing the

ing recommendations on such rental housing and the fund for low and moderate

on Los Angeles' west side sell for \$125,000-\$500,000 and start at \$85,000 in Washington DC. rise buildings located in the city's fashionable pelgbourboods:

for fig. bhilding's common area often feaching \$200, monthly comformintum payments lynically exceed monthly rents.

A FIERCE struggle is develop- success of the Airbus, which which will have a delicate de-ing within the nationalised has helped General Electric, its cision to make between the dif-

ine, especially when SNECMA In order to win a position on the French aircraft. Pratt and American company which now has a tight grasp, through this link, on French civil aviation On the other hand, SNECMA 1. To modernise free of charge its own engines on Air France's

is running into a period of big To switch its engine overhaul export earnings through the Grneral Electric connection, foland service centre from Hamloving the sudden success of the CFM-56 unit. burg in West Germany to

3. To sub-contract up to 30 per cent of the value of all future for Airbus Industrie, owned by Aerospatiale, the nationalised sales of JT9-D for Airbuses manufacturer, hoice is more academic. But Imost all Airbuses so far. The final choice for Air it is pointed out that the com-Pratt and Whitney's offer France will probably be heavily pany's sales are helped by having clearly results from the growing influenced by the Government, a variety of engines on offer.

pletely in the hands of Iranian

KWU keeps Iran options open

BY ROGER BOYES IN BONN

KRAFTWERK UNION has announced that it has formally to West Germany today but is terminated its contract to build leaving a 20-man liaison bureau two nuclear reactors for Iran in Iran. Should the Iranians at the Gulf port of Bushire, but the West German power the bureau could then plengineering concern said it is role in new negotiations. "theoretically" prepared to In the meantime it may negotiate a new contract over advise on the care and mainthe suspended project.

This was disclosed yesterday by Herr Norbert Schmitt, head of KWU's Iranian operations. But clearly the chances of an imminent new agreement are extremely slim. following the formal termination of the contract. The Iranian authorities have denounced the \$6.9bn Bushire project as uneconomical, and have said that the original contract, signed with the former Shah's officials, was over-priced and invalid. The KWU, meanwhile, is claiming last year as well as other outstanding costs.

some 100 of its personnel back change their views on Bushire. the bureau could then play a

tenance of the power stations. which are about 80 per cent

the major concerns of KWU in recent weeks. The West German company believes that a power plant so close to completion needs highly skilled technicians to look after it, otherwise it will deteriorate rapidly and make the resumption of work correspondingly difficult.

Greek plant expansion

sion of the installations of capacity to 700,000 tons and, at the same time, widen the range plant in northern Greece

The expansion will be largely financed by a DM 53m Eurolean

A CONSORTIUM consisting of Unde of West Germany and the Greek companies of Archirodon and Elmec has been awarded Expansion of the plant will

expansion is expected to be completed early in 1982, and The Iranian doubts led to the granted to the Commercial should save Greece an estimated stopping of all construction Bank of Greece by Deutsche \$20m a year now spent on work in January. KWU is flying Bank and Bayerische Vereins imports of fertilisers.

India to modernise car Tate and Lyle may back industry with foreign help Fiji distillery SY R. C. MURTHY IN BOMBAY By Dai Hayward in Wellington

TATE AND LYLE, the sugar refining company, is reported to have offered to back a £1.6m distillery in Fiji. Plans for a distillery to be based in foreign know-how. Lautoka, the centre of Fiji's sugar cane industry, are now

being considered. Tate and Lyle already have TIPAT importing 175,000 ndustry. onnes of sugar each year. Lord Jellicoe, the chairman of Tate and Lyle, told Fili sugar growers the company would like to "widen and deepen" its involvement in the Fiji

Two sites are being considered for the proposed distillery, and it is hoped it could be in operation, producing gin, vedka and rum, by August next year.

automobile Meters (HM) proposes to up ahead by the Government to modernise with the help of modernisation -It is hoped foreign collabora-

tion will achieve savings in fuel The Government wants these (originally Bedford) trucks to

replaced with light-weight, fuelefficient vehicles. There are three automobile companies in the field for foreign collaboration. Bombay

based Premier Automobiles is negotiating with Fist of Italy and Pengent of France for expertise to replace its Padmini. The Padmini was originally designed to Fiat 1100 specifica-

The State-owned Hindustan

grade the engines of its trucks and cars with British help. Of the total Rs160m (£8m) programme Rs110m will be spent on HM's truck preject, Vauxhall will help upgrade the Hindustan

local regulations. MAN of West Germany is entering into technical and financial collaboration with

Fscorts of Delhi for modern diesel engine production. Ecorts-MAN, a new joint venture in he set up for this purpose will make stationary and automotive diesel engines of

100-650 hp.

Nigeria may sell oil to Australia

NIGERIA has indicated its willingness to seil oil directly to Australia, if the Australian Government needed it, Mr. Malcolm Fraser, the Prime Minister, sald in Lagos.

Mr. Fraser, on a four-day off cial visit to Nigeria, also said that a trade agreement between the two countries was "much closer" after one of the major obstacles to such a deal had

been removed. He said Nigeria had dropped its insistence on a balancing clause which would have ensured that trade between the two countries would be almost exactly equal. Mr. Fraser said he explained that such a clause would be impractical between two trading nations.

But he added that other problems remained and that it was likely that another special trade mission would come to Nigeria in order to conclude such a deal. Outstanding preb-lems are believed to include an end-user clause, which Nigeria wants in order to prevent goods being re-exported to countries such as South Africa and Zimbabwe Rhodesia.

The Nigerian willingness to lia is considered important by observers here, because of the general shift in Nigerian sales policy away from sales through operating companies already in the country-to third-party custo-

Mr. Fraser said that if such sales took place it would pre-bably be on a Government-te-Government basis. But he said it would only involve marginal quantities of oil as Australia already produced a light crude similar in quality to Nigeria's

Australia imports around 30 per cent of its crude ail, but mest of that is heavy crude or gas. Mr. Fraser said the issue of trade-off deals involving a third party had not been raised. Govrenment officials explained that there had been a possibility of buying Nigerian light crude and then exchanging it for heavy crude through another

But Mr. Fraser said that at present, the decision on whether or not a deal would be done with Nigeria rested on an inquiry being carried out in all the oil-producing countries to find out where Australia would get the best deal.

Oil experts here point out that transport costs from Nigeria to Australia weeld make it unlikely that such as arrangement with Nigeria would prove profitable.

On the trade issue Mr. Fraser said that more talks would probably be necessary. Australian trade with Nigeria has subk to an estimated AS2m (film) a year since Nigeria introduced impair vacations. cars, some of which were enable them to lift a pay-load import restrictions which cut designed 20 years ago, to be of 7.5 tennes plus 25 per cent the supplies of Australian beef extra load permissible under allowed into the country.

He said that other matters discussed included the commer fund and the importance of achieving agreements on commodity stabilisation. They had also agreed that if the U.S. could be urged to join the International Sugar Agreement the European Economic Community would probably follow

Metin Munir reports on the pipeline built to symbolise friendship between Ankara and Baghdad

Oil flows but future remains troubled

ONLY THE presence of the from Dortyol to Kirikkale near Mediterranean lends ans charm to the oil discharge station that marks the terminus of the 590-mile Iraqi-Turkish crude oil pipeline. In the arid heat the line be-

tween sea and sky disappears. and tankers are only visible when they approach close to the loading jetty. There is not a tree in sight for trees are regarded as a fire hazard, and the pipeline's management is lnoking for sheep to crop the scant grass that remains— sheep do not smoke, but workers mowing the grass

But such problems are ineldental to the overall work of raqi and Turkish technical staff pased here, who are finally beginning to see the \$900m pipeline begin to carry something nearer its full annual capacity of 35m tonnes.

In 1978 it only carried 13.3m tonnes, but in the first six months of this year 14.6m tonnes were carried. Built to symbolise the friend-

ship between Ankara and Baghdad, the pipeline comnenced operating in mid-1977. but it has still been a bone of contention in the region. There were immediate problems over the quantity of oil Turkey would be allowed to

draw from it, and the prices that would be charged. It has also experienced at least one explosion, the result of an apparent sabotage attempt. In Turkey's more affinent days when the pipeline was conceived there were plans to establish a joint Iraqi-Turkish

plex at the terminal in Dortyol.

These have now been shelved.

though Turkey is planning to

refinery a i =etrochemical com-

Ankara. The Romanians are building a refinery with an annual capa-

city of 5m tonnes at Kirikkale. However, even if the fast welding techniques used on the Iraqi-Turkish pipeline are applied. it is questionable whether the spur will be ready at the same time as the refineryabout two years. The tender documents are being prepared but will not be sent out until Ankara is sure it can find the foreign exchange necessary. Officials at BOTAS, the sub-

sidiary of the Turkish Petroleum Company (TPAO) which operates the pipeline, explain that several factors prevent the pipeline from attaining full capacity. The most important is power shortages, which sometimes occur despite the fact the Turkish Electricity Authority (TEK) will often deprive local communities of electricity in order to keep the pipeline sup-plied with power. The automatic operating system has also had its failures, while problems have sometimes arisen over the

At present the Iraqis give Turkey monthly sales lists specifying the names of the vessels to be loaded. But before loading can take place the Turks must have the approval of Iraqi technicians stationed here. Until a few months ago Turkish ships also often left empty handed because

lragis' marketing practices.

The tanker terminal can take ships of between 30,000 and 300.000 dwt. On one recent weekend a Turkish tanker was being loaded while another Turkish tanker and a Japanese Greek vessel build a 270-mile spur pipeline anchored offshore.



Under the agreement between the 100 countries Turkey receive, effec of U.S.38.9 cents per barrel of throughput and is hoping in make about \$85m this year from the pipeline. Iraq has also pledged to allow Turkey tonnes of crude per year until the end of 1979, 12m. lonnes mill 1982 and 14m tonnes thereafter, This year, however, Turkey is

tonnes from the pipeline. Turkeys shortage of foreign exchang has meant that its. debts in frag have built up to, at one noist, \$330m.
The problems of foreign

exchange have not only meant that there are now long queues for Priral and diesel fuel throughout the country, but also that Turkey is unable to meet some of its longer-term con-tracts. it has thus been frequent changes in the monthly frequently driven into buying on the pot market — meaning that such foreign exchange 'as there is does not go a long.

There are still doubts about whether Iran's rapproachment with him will affect the traci-Turkish pipeline. Turkish pipoline. Turkish s that trag is com-

mitted to paying fees for putting through 15m tonnes annually they are confident that throughput will reach 30m tonnes this Year.

However, there is the possibility that bringing the longclosed Iregi-Syrian pipeline to the south fully on stream will cause Iraq to send less of its oil through the more northern Turkish route to the Mediter-

ranean. The low level of tanker rates means that there is less to be gained from piping rather than ranean than seemed likely when the pipeline was planned. Also the Turks have lagged in making their payments, while the Iraqis, for political reasons, may wish to use the pipeline through Syria as fully as possible.

But the Iraqis are known to want to keep their options open, particularly in view of the longer-term uncertainties - surrounding the Gulf Turksh dence that the pipeline will be used is justified and that they

Nigeria

to Aush Staff cuts may hit savings, bonds

BY EAMONN FINGLETON

ONE OF the main services of one or times major the Department of National might be affected."

Savings may have to be phased The other areas were the ONE OF the main services of one of three major areas which out if the Government goes shead with a proposal to cut-stan spending by 10 per cent, it was stated last night

Nigel Lawson, Financial Secretary to the Treasury, had explained the implications of the proposed cuts to staff representatives last week. But no decision on the cats will be made until the autumn.

The statement followed asports yesterday that the Bepartment's successful Premium Bonds operation could be bit by Government efforts to duce Civil Service manning

mentioned Premium Bonds as

ordinary account at the National Savings Bank and National

Savings Certificates. Mr. Lawson had said that The Department said that Mr. only one of these areas would be affected if the Government was to achieve a cut of 10 per cent in staff spending by April, 1982. More services might be

affected if larger cuts were implemented. The Department said: "The word 'affected' was used since it was envisaged that should it be decided that any Department of National Savings services should contribute to the overall

. reduction." This would probably be done by discontinuing the intake of Yesterday's statement con new deposits or purchases, but firmed that Mr. Lawson had existing investments would

Bank sets new rules for money dealers

BY JAMES BARTHOLOMEW

THE BANK of England issued a code of conduct for principals and brokers in the £30bn sterling money market yesterday, and a Sterling Brokers Association has been formed along the lines of the existing Foreign Exchange and Currency Deposit Brokers Association -

The code will apply to insti-tutions such as building societies, local authorities and industrial companies which to rules written by the Bank of England. The market also includes banks, brokers; pension funds and insurance companies.

There is af present £45n in the Certificate of Beposit market £15nn in the interbank market and out of the £350a of local authority debt, about £10bn is estimated to make been funded through the money market. There are also smaller markets such as that between

industrial companies.

The Bank's code is based on existing best practice and has been written after consultation with practitioners.
The code rules that:

The exchange of confidential information about third

shall be disclosed by a broker next

only to a lender who seriously intends to deal.

A principal shall not apply unfair pressure on a broker to pass on information improperly.

 Brokers must not give gifts to principals unless the heads of the principals money market operation know about the girts.

Principals must exercise "full control" over their

• Principals must not use brokers to find out who is in the market in order to deal with them direct.

Enforcement of the code is in the Bank's hands but the sanctions open to it are not

Disputes in the money market can now be referred for arbitra-tion to a Joint Standing Com-mittee on which principals and brokers, will be represented. The committee will also advise the Bank on fature amendments to the code ...

The new regulatory systems which have emerged in both the sterling and foreign exchange markets is a balf-way house between the self regulation which the Bank has long ravoured and the governmental parties is forbidden. favoured and the governmental

The name of a borrower control common on the Conti-

Mirror Group chairman to retire at end of year

BY JOHN LLOYD

KR. PERCY ROBERTS, 59, the Mirror group from today chairman and chief executive of Mirror Group Newspapers, is to retire at the end of the year. Reed International, the group's parent company, has also announced major changes in its management structure.

changes follow an announcement in May that Mirtor Newspapers had abandoned an attempt to introduce computer-alded design, and come at a time when the Daily Mirror's circulation continues

Mr. Tony Miles, editorial director of the Mirror group becomes chairman, and Mr. Douglas Long, deputy chief executive, becomes chief executive, becomes chief executive Both will report to Mr. Carpenter.

The deputy chairman of Reed International, Mr. G. S. Witherington, takes over direct responsibilities for Reed Building and Wall .- Paper Manufacturers from Sir Alex Jarraf Reed's chairman. The company's paper and

packaging interests are brought Mr. L. A. Carpenter, chair together under Mr. D. T. man and chief executive of Wilkins, Reed Group chairman, who now also takes on Reed Corporation, will take over the Corporational responsibility for subsidiary.

Record sales for main **London auction houses**

THE FOUR main London and campaign by a major auctioneer tion houses had record sales for in the UK.
the closing season, with comBonham's bined : net figures of £330.6m against £282.9m in 1977-78. This was a rise of 18.8 per cent.

Sotheby's had a total of £181.5m, compared with the pre-vious £161m, an increase of 12.7 per cent. Every saleroom recorded higher figures. Last year's international total was

SALEROOM

BY PAMELA JUDGE

based on exchange rates taken. at August 31, while this year's were struck on July 20. Without this difference the total sales £197m; a gain of 22 per cent. Sales in North America rose to \$147m from \$112m

For the first time, Christie's topped £100m, with £110m sales against £89.Im last year. This was an increase of 24 per cent. On a similar exchange rate calculation to Sotheby's, Christie's would show an extra £8.2m, or a rise of 33 per cent. Overseas sales increased in number to 229 against 184, and in value to £42.6m against £32.1m.

At Phillips, the increase was 26 per cent—sales of slightly more than £30m against hast

Bonham's risc was 15 per cent on a turnover of £8.6m, compared with £7.5m last year. During the year a 1.300 sq it sale-room was added to the Mont-Galleries in Knights-

Sotheby's consignments from abroad represented 30 per cent of total sales in London. The five salerooms in England reported a total of £85.4m (£80.4m previously). One highlight of overseas sales was at Monaco on June 25-26 where the Akram Ojjeh furniture fetched FFr 54.5m. The highest individual price at Monaco was FFr 7.6m for a Louis XV marquetry ormolu-mounted corner cabinet—a world record for a piece of furniture.

On July 3-5 in London, a sale would have been more than of Impressionist and Modern paintings, drawings and sculptures made £6.7m. The Paul Resemburg collection made £3.2m on July 3 and Picasso's 'La Boufeille de Vin " was

sold for a record £460,000. While Impressionist Post-Impressionist and Contemporary Art showed a healthy rise to £27m from £21.4m, the biggest jump was in furniture from £14.7m to £25.3m.

Mr. Peter Wilson, chairman of Sotheby Parke Bernet, commenting on London as a selling centre, said: "We should not for wear's £23.8m. Phillips was the easily be eroded, or lost, if enst aggressive advertiser dur- restrictive regulations should ing the year. It took virtually destroy the confidence of collecall the Bond Street Tube station tors throughout the world who attes and ran the first elevision sell at and buy from Sotheby's.

More fraud officers considered

THE DEPARTMENT of Employment is considering increasing the number of fraud officers it employs in an attempt to cut down on the payment of unemployment benefit to people who

.This emerged yesterday after Mr. David Mitchell, a junior Industry Department Minister. told the Confederation of British Industry's small firms council that the Government was looking into what could be done in the case of people who were moonlighting and drawing unemployment pay at the same

At present the Employment Department employs 300 fraud officers. The cost of an increase would be covered out of £7m a year savings that the Department will make from September when it starts paying unemployment benefit fortnightly instead of weekly. Eventually the Department sopes to more than cover the cost of the fraud officers by cutting down on the £1.5bn a year it spends on unemploy-

Department is also aming to curb abuses of unemployment and other

The main abuse occurs when people refuse potentially suitjobs offered by employment exchanges and so receive unemployment pay for longer

Trade report censures four DEPARTMENT of Trade inspectors bank acquired by Ashbourne in holding to 43.15 per cent of ment for the bid at the outset, tors inquiring into the owner- 1967. Mr. Stephen Barry is held Ashbourne. It the inspectors conclude inative to the inspectors conclude ina

pany with financial and industrial interests, have consured the conduct of four individuals. In addition, the investigation has disclosed a number of areas for which the present law and

practice provide inadequate protection against abuse. The details are in a Department of Trade report published esterday after an investigation

which lasted nearly four years. The inspectors, led by Mr. Robin Auld, QC, say they are concerned about the lack of adequate safeguards for unsecured loan stockholders and the absence of clear standards in relation to "window-dressing"

The inspectors regarded as particularly serious the attitude of Mr. Simon Raynaud, an executive director of Ash-bourne, to the breach of the loan stock trust deed of the company in the six months before a consortium gained control of Ashbourne.

They regard as serious the abuse by Mr. Stephen Barry, Mr. Stephen Ross and Mr. Lionel Casper of their management control of Ashbourne in involving shares of Armour Trust

They also regard as serious the "window dressing" of the Ashbourne sold a further 19.89 Brandt's, was at fault in failing audited accounts in 1974 of Ash- per cent of the company shares to construct a clear and combourne and of E. S. Schwab, a bringing the consortium's total prehensive underwriting agree-

the extent of Ashbourne's re- the company. liance on support from Schwab.

The report covers the period between 1973 and 1975 and the events surrounding a proposed bid by a consortium headed by Crest International Securities. a quoted investment company, and Corporate Guarantee Trust, a quoted investment trust.

The founders of the consortium were Mr. Lionel Casper, the chairman of Crest, Mr. Stephen Barry, the chairman of Corporate, and Mr. Bernard Glazer, a rancher and property owner in South Africa. Their intention was to gain management control of Ash-

bourne, merge it with their own companies and set out on a career of "company conquest." By the end of November 1973 the consortium had acquired 28.26 per cent of the issued share capital of Ashbourne. It proposed a bid and instructed merchant bank William Brandt's

member of the Grindlays Banking group, to act for it. By then Mr. Casper and Mr. Barry had already stretched their respective companies' fanonces to obtain the stabe. They sought board representation but it was denied.

In December, directors of per cent of the company shares to construct a clear and com-

ship and affairs of Ashbourne primarily responsible for the bound under the City Code on the consortium directors took Investments, a small quoted com"window dressing", which he Takeovers and Margary to Takeovers and Ma used to conceal the breach of within reasonable time on offer to the Ashbourne group, printhe loan stock trust deed and to buy the remaining shares in

Ashbourne sold the shares to repayment of certain loans the consortium after an assur- made by E. S. Schwab, ance given by William Brandt's "However, their that the consortium had sufficient funds available to meet its obligation.

In anticipation of the bid, four representatives of the con-sortium — Mr. Casper, Mr. Ross, Mr. Barry, and Mr. Brian Simmons - were appointed to ligation to bid for it." the Ashbourne board.

No bid materialised. In their observations on the deal the inspectors say that one of the most important objects of the City Code is to ensure that all about to be taken over receive equal treatment from bidder. In this instance, all the shareholders of Ashbourne did

not receive equal treatment. The takeover panel w unable to enforce the City Code, first, because the consortium directors resorted to litigation to enable the consortinm to evade its obligation to bid, and in the end, because the financial arrangements for the announced hid failed.

The inspectors observe that Mr. Philip Ralph, then a direc-tor and head of the corporate finance side of William

some assets and by obtaining

stewardship of the company and subsequent control were highly damaging to it, notably by the costly disputes in which they involved the company in for Alliance Wholesole Grucers. trying to retain control of it without complying with the ob- in the late 1960s when he was

They praised Mr. Raymoud and the company's fellow nonconsortium directors for undertaking the management of the company affairs under such trying conditions.

Ashbourne Limited, Department of Trade Report, HMSO, £3.75.

New London courts open

TWO NEW courts have opened in Croydon to help clear the backlog of Crown Court cases in the London area.

A further 23 temporary courtrooms are scheduled to open before 1982 on the South Eastern circuit, where defendants in custody wait an average of more than 18 weeks for trial. Those on bail wait more than

Store chain appoints executive

Sy Christine Moir

MR. GEORGE CANNON has een appointed chief enecutive of the wholesale division of International Stores, a subsi-Story of BAT Industries. Two months ago he resigned from the Board of Fireh Lovell after lengthy wrangles about major policy decisions.

He will resume resnousibile? which came under his control chairman of the wholesale gracery are of Associated Ernish Foods, Lest year Kurley and Tonge, Intereminual's wholesale subsidiary. bought the Alliance chain from Associated.

Mr. Common becomes chair-rap of Keerley. He also takes execution the main international board, which has been underthird restructuring since lost year when the company aurounced a cureround from a trading profit of \$5.8m to a loss

The main losses have been on the retailing side and the company believes that Mr. Canron's previous experience with Key Markets and Fine Fare will be useful.

Mr. Capnon's main areas of responsibility have always been wholesale buying and distribuand here too International's performance has recently been poor.









Wednesday Introday Edited



Saturday.

Sit back and enjoy our daily TriStars to the Gulf. Especially the new TriStar 500.

It's the most advanced subsonic jet in the world and flies further and faster than any other TriStar.

Fly the Flag. No one flies to more places in the Gulf than British Airways.

Along with our TriStars, you can treat yourself to our three weekly Concorde flights to Bahrain. Our wide-bodied 747s to Bahrain

(dans Muscat and Dubai. Tha little VC ten-derness to Doha, Magatand Dubai.

Fly the flag to the Gulf. It's the best programme every day of the week.



THE NORWEGIAN STATE AND MUNICIPAL POWER CONSORTIUM SIRA-KVINA KRAFTSELSKAP 71/2% Sterling/Deutsche Mark Bonds 1983

is: the p	resence of a		blic, for the	redemptio	n instalmei	nt due 1st \$	September,	1979.	
12013	12047	12072	12093	£500 12099 12198	Bonds 12120 12205	12136 12216	12143 12232	12149 12239	12156 12245
12163 12253 12376	12170 12282 12398	12184 12295 12445	12189 12301 12453	12307 12458	12338 12468	12345 12515	12352 12520	12350 12527 12730	12370 12539 12760
12547 12766 1 2 934	12553 12776 12939	12561 12785 12959	12578 12815 12965	12603 12830 12998	12608 12839 13003	12618 12867 13014	12624 12901 13029	12909 13048	12917 13059
13066 13187	13075 13196	13084 13204	13102 13212	13110 13227	13116 13237	13123 13242 13392	13133 13258 13404	13174 13285 13417	13180 13293 13425
13301 13448 13549	13308 13465 13579	13320 13471 13588	13327 13477 135 9 4	13339 13484 13605	13362 13491 13614	13496 13621	13515 13630	13522 13637	13542 13643
13649 13826 13930	13670 13837 13940	13680 13844 13947	13687 13856 13995	13735 13861 14002	13741 - 13878 14010	13771 13895 14022	13777 13910 14028	13801 13916 14035	13819 13922 14041
14047 14166	14054 14202	14060 14249	14067 14264	14072 14271	14085 14306	14092 14316	14110 14322	14120 14332	14158 14338 14460
14345 14467 14634	14354 14517 14646	14360 14534 14657	14366 14569 14663	14374 14584 14674	14379 14600 14696	14398 14605 14725	14417 14612 14734	14430 14619 14763	14624 14785
14795 14940 15077	14805 14947 15119	14811 14953 15138	14818 14960 15149	14851 15014 15195	14876 75021 15202	14907 15027 15225	14921 15040 15232	14927 15049 15239	14934 15068 15250
15255 15565	152 63 15572	15449 15579	15457 15586	15480 15592 15673	15489 15598	15504 15606	15513 15611 15695	15520 15625 15701	15526 15631 15708
1563B 15714 15834	15643 157 <i>28</i> 15840	15650 15743 15876	15668 15752 15883	15758 15890	15682 15764 15895	15688 15771 15904	15783 15951	1581 <i>6</i> 15956	15823 15968 16102
15979 16103 16183	15996 16114 16197	16011 16121 16205	16029 16126 16212	16046 16144 16218	16056 16149 16226	16074 16156 16251	16082 16163 16259	16091 16170 16280	16175 16288
16296 16399 16531	16316 16406 16538	16336 16426 16560	16342 16439 16569	16360 16447 16584	16367 16453 16601	16373 16462 16607	16379 16503 16614	16387 16510 16621	16392 16517 16629
16634 16758 16892	16657 16763 16932	16665 16770 16938	16670. 16782 16945	16683 16789 16951	16694 16812 16958	16716 16828 16964	16723 16857 16981	16743 16869 16988	16750 · 16886 16994
17005 17132 17263	17010 17142 17269	17018 17150 17276	17025 17158 17285	17058 17171 17293	17063 17186 17301	17081 17192 17310	17101 17224 17321	17119 17229 17334	17126 17257 17341
17358 17480 17703	17365 17498 17710	17386 17504 17717	17392 17514 17723	17410 17575 17735	17426 17591 17749	17434 17606 17755	17452 17612 17762	17460 17636 17769	17471 17659 17780
17802 17954 18239	17809 17961 18246	17820 17971 18255	17833 17979 18269	17890 17986 18275	17902 17992 18285	17907 18009 18298	17915 18219 18305	17928 18227 18317	17936 18233 18318
18329 18459 18546	18336 18472 18553	18344 18486 18557	18354 18492 18575	18360 18500 18586	18381 18508 18604	18388 18516 18611	18425 18523 18618	13431 18529 18627	18437 18535 18637
18651 18763 18853	18660 18770 18861	18665 18779 18866	18675 18785 18873	18684 18815 18879	18693 18821 18888	18703 18827 18894	18712 18834 18901	18719 18841 18910	18738 18847 18925
18936 19031	18942 19038	18959 19060	13964 19066	18971 19077	18982 19084	18988 19093	19006 19100	19018 19109 19213	19024 19117 19223
19129 19311 19438	19137 19333 19450	19143 19346 19461	19149 19375 19473	19156 19382 19480	19191 19390 19489	19200 19397 19497	19206 19408 19503	19414 19510	19433 19516 20333
19523 20341 20500	19528 20346 20507	19536 20352 20513	· 19542 20360 20520	19548 20461 20527	19555 20468 20532	19962 20474 20539	19957 20482 20546	20327 20487 20552	20494 20558
20566 20630 2069 5	20571 20637 20701	20578 20642 20708	20585 20650 20714	20592 20656 20721	20597 20662 20728	20605 20669 20734	20611 20675 20740	20616 20682 20748	20524 20689 20753
20760 20824 20890	20767 20832 20896	20772 20838 20903	20779 20844 20908	20785 20851 20916	20793 20857 20922	20798 20863 20929	20805 20870 20935	20312 20877 20941	20819 20883 20948
20954 21019 21085	20961 21025 21090	20967 21033 21098	20975 21039 21104	20980 21045 21109	20987 21051 21117	20994 21059 21123	21000 21064 21130	21006 21071 21136	21014 21078 21143
21149 21214 21377	21156 21220 21385	21152 21227 21390	21169 21233 21402	21174 21241 21409	21182 21246 21415	21188 21259 21421	21194 21265 21437	21201 21317 21443	21207 21367 21456
21463 21554	21470 21560	21478 21572	21485 21579	21499 21585	21505 21592	21520	21531	21539	21546
3 120	13 130	22 139	37 150	£100 48 159	64 170	74 181	91 192	101 205	110 215
231 371 489	240 383 500	249 393 509	259 402 517	271 412 528	281 424 537	332 439 546	342 452 556	352 469 565	362 481 576
584 710 910	594 733 920	607 743 934	622 752 9 4 5	. 631 763	642 77 4 967	651 791	673 801	683 889	695 899 1007
1015 1120			340	956	80/	979	987	996	1007
1261	1025 1129 1273	1035 1146	1044 1160 1308	1054 1174	1063 1185 1327	979 1073 1194 1336	987 1082 1222 1346	1092 1231 1357	1111 1240 1366
1120 1261 1386 1531 1653	1129 1273 1399 1546	1035 1146 1284 1412 1555	1044 1160 1308 1424 1564	1054 1174 1316 1434 1575	1063 1185 1327 1448 1583	1073 1194 1336 1485 1593	1082 1222 1346 1499 1607	1092 1231 1357 1508 1615	1111 1240 1366 1520 1643
1531 1653 1779	1129 1273 1399 1546 1667 1794 1932	1035 1146 1284 1412 1555 1681 1803	1044 1160 1308 1434 1564 1700 1825 1851	1054 1174 1316 1434 1575 1712 1835 1961	1063 1185 1327 1448 1583 1726 1845 1974	1073 1194 1336 1485 1593 1736 1883 2003	1082 1222 1346 1499 1507 1751 1893 2022	1092 1231 1357 1508 1615 1760 1903 2035	1111 1240 1366 1520 1643 1769 1912 2062
1531 1653 1779 1821 2071 2241 2358	1129 1273 1399 1546 1667 1794 1932 2083 2250 2368	1035 1146 1284 1412 1555 1681 1803 1940 2088 2261 2381	1044 1160 1308 1424 1564 1700 1825 1851 2107 2272 2391	1054 1174 1316 1434 1575 1712 1835 1961 2118 2282 2400	1063 1185 1327 1448 1583 1726 1845 1974 2159 2292	1073 1184 1336 1485 1593 1736 1883 2003 2167 2300 2421	1082 1246 1346 1499 1507 1751 1893 2022 2178 2312 2429	1092 1231 1357 1508 1615 1760 1903 2035 2222 2323 2508	1111 1240 1366 1520 1643 1769 1912 2062 2233 2346 2525
1531 1653 1779 1821 2071 2241 2358 2536 2704 2818	1129 1273 1399 1546 1567 1794 1932 2083 2250 2368 2553 2718 2827	1035 1146 1284 1412 1555 1581 1803 1940 2098 2251 2381 2562 2727 2855	1044 1160 1308 1424 1564 1705 1825 1851 2107 2272 2391 2576 2736 2864	1054 1174 1316 1434 1575 1712 1835 1961 2118 2282 2400 2584 2749 2873	1063 1185 1327 1448 1583 1724 1825 1974 2159 2292 2411 2594 2783	1073 1184 1336 1485 1593 1736 1883 2003 2167 2300 2421 2608 2768 2893	1082 1222 1346 1489 1507 1751 1893 2022 2178 2312 2429 2616 2782 2905	1092 1231 1357 1508 1615 1760 1903 2035 2222 2322 2328 2508 2639 2799 2917	1111 1240 1346 1520 1543 1759 1912 2062 22346 2525 2650 2809
1531 1653 1779 1821 2071 2241 2358 2535 2704 2818 2943 3058 3172	1129 1273 1399 1546 1667 1794 1932 2083 2250 2368 2563 2713 2827 2951 3073 3193	1035 1146 1284 1412 1555 1681 1803 1940 2098 2251 2381 2562 2727 2855 2960 3080	1044 1188 1424 1564 1700 1825 1851 2107 2272 2391 2576 2736 2864 2975 3095	1054 1174 1316 1434 1575 1835 1961 2118 2282 2490 2584 2749 2873 2983 3103 3223	1063 1185 1327 1448 1526 1845 1974 21 59 2292 2411 2594 2758 2989 3116 3234	1073 1194 1336 1485 1593 1736 1883 2003 2167 2300 2421 2608 2768 2768 3126 3126	1082 1222 1346 1498 1507 1751 1893 2022 2178 2312 2429 2616 2782 2905 3017 3136	1092 1231 1337 1508 1615 1760 1903 2035 2222 2323 2508 2639 2799 2917 3032 3144 3277	1111 1240 1346 1520 1643 1769 1912 2062 2233 2346 2525 2650 2809 2932 3042 3163 3301
1553 1779 1827 12071 2071 2358 2536 2704 2818 2943 3059 3172 3310 3445	1129 1273 1399 1546 1667 1794 1932 2250 2368 2553 2718 2827 2951 3073	1035 1146 1284 1412 1555 1681 1803 1940 2088 2251 2381 2562 2727 2855 2960 3084 3202 3333 3482	1044 1180 1308 1424 1564 1700 1825 1851 2107 2272 2391 2576 2736 2864 2975	1054 1174 1316 1434 1575 1712 1835 1961 2118 2282 2400 2584 2749 2873 2983 3103	1063 1185 1327 1448 1583 1726 1845 1974 2159 2292 2411 2594 2758 2883 2999 3116 3234 3361 3527	1073 1194 1336 1485 1593 1736 1883 2002 2167 2300 2421 2608 2768 2893 3008	1082 1222 1346 1499 1507 1751 1893 2022 2178 2312 2429 2616 2782 2905 3017 3136	1092 1237 1357 1508 1615 1760 1903 2036 2222 2328 2508 2639 2799 2917 3032	1111 1240 1346 1520 1643 1769 1912 2062 2233 2346 2525 2650 2809 2932 3042 3163
1553 1779 1821 2071 2241 2358 2536 2704 2818 2943 3172 3310 3628 3772 3310 3623 3731 3954	1129 1273 1399 1546 1667 1794 1932 2250 2368 2553 22718 2827 2951 3073 3193 3457 3638 3741 3973	1035 1148 1284 1412 1555 1681 1803 1940 2098 2251 2381 2362 2727 2855 2960 3084 3202 3333 3482 3647 3749 3984	1044 1180 1308 1424 1564 1700 1825 1851 2107 2272 2391 2576 2576 2854 2975 3212 3395 3493 3658 3759 33992	1054 1174 1316 1434 1575 1712 1835 1951 2282 2400 2584 2749 2873 2983 3103 3223 3352 3508 3667 3812 4002	1063 1185 1327 1448 1583 1726 1845 1975 2292 2411 2594 2758 2883 2989 3116 3234 3361 3527 3675 3675 3675	1073 1194 1336 1485 1536 1736 1883 2002 2167 2300 2421 2603 2763 2893 3008 3126 3247 3347 3353 3630 3630 3650	1082 1246 1346 1499 1507 1751 1893 2022 2178 2312 2429 2616 2782 2905 3017 3136 3257 3357 3357 3357 34035	1092 1237 1357 1508 1615 1760 1903 2022 2328 2508 2508 2639 2799 2917 3032 3144 3593 3712 3897 4044	1111 1240 1366 1520 1643 1769 1912 2023 2346 2525 2650 2809 2932 3042 3163 3301 3435 3504 3721 3939 4084
1553 1779 1821 2071 2241 2358 2536 2704 2818 2943 3172 33170 3623 3772 33170 3445 3623 3772 4072 4379	1129 1273 1399 1546 1667 1794 1932 2083 2250 2368 2553 2827 2951 3073 3193 3457 3638 3741 3973 4086 4389	1035 1148 11412 1555 1681 1803 1940 2098 2251 2381 2562 2727 2856 2980 3084 3202 33482 3647 3749 3984 4095 4400	1044 1180 1308 1424 1564 1700 1825 1851 2107 2272 2391 2576 2854 2975 3212 3493 3658 3759 3992 4110 4409	1054 1174 1316 1434 15712 1835 1961 2118 2282 2400 2584 2748 2873 3103 3223 3508 3667 3812 4402 4418	1063 1185 1327 1448 1583 1726 1845 1976 2159 2292 2411 2594 2758 2883 2999 3116 3234 3361 3527 3675 3675 3675 3675 3675 3675 3675 367	1073 1194 1336 1485 1593 1736 1883 2002 2167 2300 2421 2608 2763 2893 3008 3126 3247 3371 3536 3690 4624 4340 4445 4445	1082 12246 1346 1499 1507 1751 1893 20178 2312 2429 2616 2782 2905 3017 3136 3257 3357 3357 3435 4349 4453 4552	1092 1237 1508 1615 1760 1903 2022 2328 2508 2508 2639 2799 2917 3032 3144 3593 3712 3897 4044 4360 4462 4571	1111 1240 1366 1520 1643 1769 1912 2023 2346 2550 2650 2809 2932 3042 3163 3301 34135 3504 4721 4939 4054 4369 4475 4581
1553 1653 1779 18271 2071 2241 2358 2536 2704 2818 2943 3058 3170 3623 3770 3623 3770 3623 3770 3445 3623 3770 4772 4379 4594 4784 4784 4784	1129 1273 1399 1546 1667 1794 1932 2250 2368 2553 22518 2827 2951 3073 3193 3457 3638 3741 3973 4086 4389 4484 4610 4736 4892	1035 1148 11412 1555 1681 1803 1940 2098 2251 2381 2562 2727 2055 2960 3084 3202 3333 3482 3647 3749 3984 4095 4400 4754 4620 4754 4901	1044 1180 1424 1564 1700 1825 1825 1825 1827 2372 2376 2576 2576 2576 2575 3212 3493 3658 3759 3892 4110 4409 4409 4409 4409 4409 4408 4712	1054 1174 1316 1434 1575 1712 1835 1961 2282 2400 2584 2749 2873 2983 3103 3223 3508 3667 3812 4418 4524 4640 4784 4920	1063 1185 1327 1448 1583 1726 1845 1975 2292 2411 2594 2758 2883 2999 3116 3234 3361 3527 3675 3675 3675 3675 3675 3675 3675 367	1073 1194 1336 1485 1593 2003 2167 2300 2421 2608 2763 2893 3008 3126 3277 3377 3377 3536 3690 4024 4340 4445 4454 4660 4819	1082 12346 1499 1607 1751 1893 20178 20178 2312 2429 2616 2782 29017 3136 3267 3367 3367 3367 34483 4483 4483 4483 4483 4483 4481 4881 48	1092 1237 1508 1615 1760 1903 2022 2328 2508 2508 2639 2799 2917 3032 3144 3593 3712 3897 4044 4360 4462 4871 4592 4837 4961	1111 1240 1366 1520 1643 1769 1912 2032 2346 2550 2650 2809 2932 3042 3163 3301 3435 3504 4715 4971
1533 1653 1779 1821 2071 2241 2358 2536 2704 2818 2943 3058 3170 3445 3628 3731 3954 4072 4379 4483 4594 4728 4981 5109	1129 1273 1399 1546 1667 1794 1932 2250 2368 2553 2827 2951 3073 3193 3457 3638 3741 3973 4086 4389 4484 4610 4736 4892 4995 5113	1035 1148 11412 1555 1681 1803 1940 2098 2251 2381 2562 2727 2556 2960 3084 3203 3482 3647 3749 3984 4095 4400 4754 4820 4754 4901 5011 5123 5238	1044 1180 1308 1424 1564 1700 1825 1851 2107 2272 2381 2576 2564 2975 3095 3212 3342 3493 3658 3759 3992 4110 4409 4513 4632 4768 4912 5024 5140	1054 1174 1174 1434 1575 1835 1961 2282 2400 2584 2749 2873 2873 2983 3103 3252 3508 3667 3812 4402 4119 4418 4524 4640 4784 4920 6034 5150	1063 1185 1186 1187 1448 1583 1726 1845 12159 2292 2411 2594 2758 2883 2999 3116 3234 3361 3527 3675 3322 4016 4130 4432 4533 4550 4794 4932 5050 5163 5282	1073 1194 1336 1485 1585 1585 1883 2003 2167 2300 24167 2608 2763 3008 3126 32763 3371 3536 3690 3860 4024 4340 4445 4543 4660 4819 4943 5061 5176 5305	1082 1222 1246 1499 1607 1751 1893 2012 2178 2312 2416 2782 2516 3017 3136 3287 3136 3287 3136 3287 34035 4349 4483 4483 4483 4881 4881 4882 4881 4882 4881 4882 5071 5187 5315	1092 1231 1357 1508 1615 1760 1903 2028 2222 2328 2539 2739 2917 3032 3144 3593 3712 3897 4044 4360 4452 4871 4592 4891 5081 5081 5081 5081	1111 1240 1346 1520 1643 1769 1912 2032 2346 2550 2650 2650 2699 2932 3042 3163 3301 3435 3504 4369 4475 4971 5091 5204
1533 1653 1779 18271 2071 2241 2358 2536 2704 2818 2943 3170 3445 3623 3770 3445 3623 3770 4072 4379 4483 4594 4729 4981 5109 5358 5460 5358 5460	1129 1273 1399 1546 1667 1794 1932 2083 2250 2368 2553 2827 2951 3073 3193 3457 3638 3741 3973 4086 4389 4484 4510 4736 4892 4995 5113 5227 5368 5477 5516	1035 1148 11412 1525 1681 1803 1940 2098 2251 2381 2562 2727 2555 2960 3084 3203 3482 3647 3749 3984 4096 4504 4620 47504 4620 47504 5011 5123 5381 5486 5587	1044 1180 1424 1564 1700 1825 1851 2107 2272 2391 2576 2564 2975 3095 3212 3493 3658 3759 3992 4110 4409 4513 4632 4768 4912 5024 5140 5392 5495 5637	1054 1174 11716 1434 1575 1835 1961 2282 2400 2584 27873 2983 3103 3352 3508 3667 3812 4002 4418 4524 4640 4784 4984 5150 5273 5646 5546	1063 1185 1186 1187 1448 1583 1726 1845 12159 2292 2411 2594 2758 2883 2999 3116 3234 3361 3527 3675 34130 4432 4433 4550 4794 4932 5050 5163 5259 5415 5559	1073 1194 1336 1485 1583 1736 1883 2003 2167 2300 2421 2608 2763 3126 3126 32763 3371 3536 3690 3860 4024 4340 4445 4543 4660 4819 4943 5061 5176 5305 5425 5544 6672	1082 1222 12246 1499 1607 1751 1893 20122 2312 2416 2782 2916 2782 2917 3136 3267 3136 3267 3136 3267 3136 3267 344 345 4463 4463 4463 4463 4463 4463 4	1092 1231 1357 1508 1615 1760 1903 2036 2222 2328 2539 2739 2917 3032 3144 3593 3712 3897 4044 4360 4452 4871 4592 4837 4961 5081 5081 5195 5087	1111 1240 1346 1520 1643 1769 1912 2032 2346 2525 2650 2809 2932 3042 3163 33042 3163 3435 3504 3721 3435 4054 4715 4881 4715 4881 4715 4881 4715 4881 5091 5094 5094 5094 5094 5094 5094 5094 5094
1853 1779 1821 2071 2241 2358 2536 2704 2818 2943 3058 3170 3445 3673 3445 3673 3954 4079 4483 4579 4483 4579 5219 5219 5367 5600 5728	1129 1273 1399 1546 1557 1794 1932 2083 2250 2363 22718 2827 2951 3073 3193 3323 3457 3639 3741 3973 4089 4494 4610 4736 4892 4992 4991 5113 5227 5316 57362	1035 1148 11412 1555 1681 1803 1940 2261 2381 2262 2727 2552 2762 2762 2762 2762 2762	1044 1180 1424 1564 1570 1825 1825 1825 12107 2272 2391 2576 2576 2576 2576 2576 2576 2576 2576	1054 1174 1174 1434 15712 1835 1951 2282 2400 2748 28748 28748 28748 2983 3103 3222 3508 3667 3612 4012 4118 4524 4644 4920 6034 5150 5273 5405 55718 5546 5771	1063 1185 1186 1186 1583 1845 1845 2159 2292 2411 2758 2899 3116 3299 3116 32361 3527 3675 3675 3675 3675 3675 3675 3675 367	1073 1194 1336 1485 1593 1736 1893 2003 2167 2300 2421 2608 2763 2893 3008 3126 3287 3371 3536 3690 4024 4445 4543 4563 4694 4340 4445 5176 5305 5425 5544	1082 1222 1346 1499 1507 1751 1893 2012 2178 2312 2429 2616 2782 2905 3017 3136 3273 4035 4349 4453 4453 4453 4453 4552 5017 5187 5216 54349 5525 5688 5807 5559	1092 1231 1357 1508 1615 1760 1903 2035 2222 2508 2508 2799 2917 3032 3744 3593 3714 3593 3712 3897 4044 4360 4462 4571 4837 4961 5081 5195 5330 5447 5697 6817 5897	1111 1240 1346 1520 1643 1769 1912 2032 2346 2525 2650 2809 2932 3042 3163 3435 3604 3721 4054 4375 4475 4475 4475 4477 5243 5591 5710 5832 5981
1853 1779 1821 2071 2241 2358 25704 2818 2943 3058 3170 3445 3673 3445 3673 3445 3673 4079 4483 4579 4483 4579 4579 5219 5219 5219 5219 5219 5219 5219 521	1129 1273 1399 1546 1556 15794 1932 2083 2250 2368 2250 2368 2857 2951 3073 3193 3323 3457 3639 4494 46136 4892 4992 4992 4995 5113 5227 5316 5736 5736 5736 5736 5736	1035 11484 11412 1555 1681 1803. 1940 2251 2381 2381 2562 2757 2562 3084 3202 35482 35483 3482 3547 3984 4090 4504 4504 4504 4504 4504 4504 450	1044 1180 1424 1564 1570 1825 1825 1825 1825 1825 1825 1825 1825	1054 1174 1174 11816 1434 15712 1835 1951 2282 2400 2788 2873 2873 3103 3223 3508 3567 3508 3567 34002 4119 4418 4524 4544 4920 6038 6151 6038 6151	1063 1186 1186 1186 1583 1845 1845 2159 2292 2411 2758 2899 3116 3257 3361 3527 3675 3675 3675 3675 3675 3675 3675 367	1073 1194 11336 1485 1593 1736 1893 2003 2167 2300 2421 2608 2763 2308 3126 3126 3327 33371 3536 4024 4340 4445 4543 4560 4943 5061 5176 5305 5425 5544 5672 5797 6056 6171 60291	1082 1222 1346 1498 1507 1751 1893 2012 2178 2312 2429 2616 2782 2905 3017 3136 3273 4035 4349 4453 4453 4453 4453 4552 5071 5187 5287 5287 5299 5017 5187 5299 5017 5187 5299 5017 5187 5299 5017 5018 5018 5018 5018 5018 5018 5018 5018	1092 1231 1357 1508 1615 1760 1903 2035 2222 2508 2799 2917 3032 3144 3593 3714 4369 4871 4887 4961 4887 4961 5081 5195 5330 5447 5697 6817 6817 6817 6817 6817 6817 6817	1111 1240 1346 1520 1643 1769 1912 2033 2346 2525 2650 2809 2932 3042 3163 3435 3604 3721 4054 4375 4881 4775 4881 4775 4881 4775 4881 4771 5091 5243 54581 5710 5881 5710 5881 5710 5881 5710 5881 5710 5881 5710 5881 5881 5710 5881 5881 5710 5881 5881 5881 5881 5881 5881 5881 58
1853 1779 1821 2071 2241 2358 25704 2818 2943 3058 23704 2818 2943 3058 3170 3445 3623 3954 4079 4483 4592 4869 4980 5219 5219 5260 5725 5890 6106 6536 6450 6450	1129 1273 1399 1546 1556 1557 1932 2083 2250 2368 22518 2827 2951 3073 3193 3323 3457 3639 3741 3973 4086 4494 4510 4736 4494 4511 5227 5368 5417 5616 5736 5736 5736 5736 5736 5736 5736	1035 11484 11412 1555 1681 1803. 1940 2261 2381 22727 2552 2727 2552 2727 2552 2727 2552 2727 2552 2727 2552 2727 2552 2727 2552 2727 2552 2727 2552 2727 2552 2727 2552 2727 2552 2727 2552 2727 2552 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 2727 27	1044 1180 1424 1564 1564 1570 1825 1825 1825 1825 1825 1825 1825 1825	1054 1174 1174 11836 1434 15712 1835 1951 2282 2400 2748 28749 2873 3103 3222 3508 3567 34002 4119 4418 4524 4418 4524 4524 4524 55273 56038 56771 6038 6151 6395 86613	1063 1185 1186 1186 1583 1845 1845 2159 2292 2411 2758 2899 3116 3261 3361 3527 3612 3613 3613 3614 3613 3614 3616 3616 3616	1073 1193 1193 1193 1193 1193 1193 1193 1893 2003 2167 2300 2421 2608 2763 2893 3126 3126 33247 3371 3536 3690 4024 4445 4543 4560 4024 4340 4445 4543 5061 5176 5305 5425 5672 5797 6056 6171 6428 6655	1082 1222 1236 1499 1507 1751 1893 2012 2178 2312 2419 2616 2782 2905 3017 3136 3257 3381 3579 3702 3873 4035 4349 4453 4453 4453 4453 4552 4681 4692 5071 5187 5288 5807 5187 6183 6183 6183 6183 6183 6183 6183 6183	1092 1231 1357 1508 1615 1760 1903 2035 2222 2508 2539 2799 2917 3032 2639 2799 2917 3032 444 3593 3714 4369 4871 4887 4961 5081 5195 5330 5447 5577 5897 6817 5970 6081 6200 6446 6554 6654	1111 1240 1346 1520 1643 1769 1912 2033 2346 2525 2650 2809 2932 3042 3163 3435 3604 3721 4054 4375 4581 4775 4871 5243 5481 4771 5091 5243 5481 5710 5881 5710 5881 5681 5710 5881 5681 5710 5881 5881 5881 5881 5881 5881 5881 58
1853 1779 1821 12241 2241 2358 25704 2818 2943 3058 2704 2818 2943 3058 3170 3445 3373 4079 4483 4579 44869 4981 5119 5219 5219 5219 5219 5219 5219 521	1129 1273 1546 1556 1557 1794 1932 2083 2250 2363 2857 2857 2857 2957 3073 3193 3457 3638 4086 4494 4513 4086 4494 4513 52167 5367 5367 5516 62347 6475 6685 6815	1035 11484 11412 1555 1681 1803 1940 2251 2381 22727 2552 2787 2950 3084 3202 3547 3333 3482 3547 3984 4090 4504 4504 4504 4501 50123 5486 6595 66991 66964	1044 11808 1424 1584 1584 1585 1825 1825 1825 1825 2372 2391 25736 25564 2575 3095 22736 25564 2375 3493 3658 3759 3493 4513 46713 46718 5264 5387 5760 5027 6133 6837 6495 6713 6838	1054 1174 1174 1174 11835 1951 1835 1951 2282 2400 2748 28748 2873 3103 3252 3508 3567 34002 4118 4524 4418 4524 4524 4524 55273 54018 55771 5038 6151 6395 6722 68500	1063 1185 1186 1186 1583 1845 1845 2159 2291 2411 2758 2899 3116 2758 2899 3116 3361 3527 3672 4016 4130 4533 4679 4794 4932 5050 5050 5050 5050 6051 6051 6051 6051	1073 1194 11336 1485 1593 1736 1883 2003 2167 2300 24167 2300 2421 2608 2763 2893 3126 3126 3327 3371 3536 3690 4024 4345 4543 4869 4943 5061 5176 5305 5428 6525 5747 6056 6171 628 6525 6741 6886 6741 6886	1082 1222 1236 1499 1507 1751 1893 2012 2178 2312 2419 2616 2782 2905 3017 3136 3257 3137 3137 3137 34035 4349 4453 4453 4453 4452 44827 4952 5017 5187 5187 5296 5187 5187 5187 5187 5187 5187 5187 6183 6183 6183 6183 6183 6183 6183 6183	1092 1231 1357 1508 1615 1760 1903 2035 2222 2508 2639 2799 2917 3032 2639 2799 2917 3032 444 3593 3714 4369 4871 4887 4961 5081 5081 5081 5081 6054 6054 6054 6054 6054 6054 6054 6054	1111 1240 1340 1520 1643 1769 1912 2033 2346 2525 2650 2809 2932 3042 3163 3301 3435 3604 3721 4054 4375 4581 4775 4581 4775 4787 5093 5103 5103 5103 5103 5103 5103 5103 510
1853 1779 1821 12241 2241 2358 25704 2818 2954 2818 2954 2954 2954 2954 2954 2954 2954 2954	1129 1273 1546 1556 1557 1794 1932 2083 2250 2358 2827 2951 3073 3193 3457 2957 2957 3973 4086 4494 4513 4494 4513 5226 5115 5247 55685 5685 57073 7185 7297	1035 11484 11412 1555 1681 1803 1940 2251 2381 22727 2856 2383 2482 2757 2856 2383 3482 35447 3984 4090 4504 4504 4504 4501 5012 5626 6699 5627 66376 6699 6824 7087 71305	1044 11808 1424 1584 1584 1585 1825 1825 1825 1825 1825 1825 1825	1054 1174 1176 1434 15712 1835 1951 2282 2400 2788 28743 23103 2788 28743 3103 3252 3508 3512 4002 4119 45140 45150 55150 55461 55150 56461 6712 68996 71016	1063 1185 1186 1186 1527 1448 1583 1845 12159 2291 2411 2758 2899 3116 2758 2899 3116 3361 3527 3672 4016 4130 4533 4659 4633 4659 4651 6651 6651 6651 6651 6651 6651 6651	1073 1194 11336 1485 1593 1736 1883 2003 2167 2300 2421 2608 2763 2893 3126 3126 3327 3371 3536 4024 4345 4543 4869 4943 5061 5176 5305 5425 5544 6672 5797 5947 6056 6171 6286 6535 6741 6886 70131 7234 7346	1082 1282 1246 1499 1507 1751 1893 2012 2178 2312 2419 2616 2782 2905 3017 3136 3257 3381 3579 3702 3873 4035 4349 4453 4452 44827 4952 50187 5588 5698 5698 5698 5698 5698 5698 5698	1092 1231 1357 1508 1615 1760 1903 2035 2222 2508 2639 2799 2917 3032 2639 2799 2917 3032 443 4369 4369 4482 4487 4483 4481 4483 4511 452 4611 4611 4611 4611 4611 4611 4611 461	1111 1240 1340 1520 1643 1769 1912 2023 2346 2525 2650 2809 2932 3042 3163 3435 3604 3721 4054 4375 4881 4775 4881 4775 4881 4775 4881 4771 5093 5243 5481 5710 5832 5832 5832 5832 5832 5832 5832 5832
1853 1679 1877 1807 1807 1224 1807 1235 1807 1807 1807 1807 1807 1807 1807 1807	1129 1273 1546 1556 1556 1567 1932 2083 2250 2368 2553 2827 2951 3193 3457 2951 3458 4389 4510 4736 4389 4510 4736 5127 55167 56135 5615 57362 66135 6685 571297 7403 7582	1035 11484 11412 15581 1803. 19988 12981 12982 12987 12980 13084 13098 13084 13098 13084 13098 13084 13098 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 13084 1	1044 11808 1424 1564 15700 1825 1825 1825 1825 12107 22391 22576 2856 2875 3095 22736 2875 3095 22736 2875 3095 24110 2401 2401 2502 2602 2602 2602 2602 2602 2602 2602	1054 1174 1174 1174 1174 1174 1174 1174 11	1063 1185 1186 1186 1527 1448 1584 1845 12159 22911 2758 2899 3114 2758 2899 3114 2758 2899 3114 2758 2899 3116 4132 4533 4659 4432 4533 4659 4651 5652 6673 6732 6879 67463 6752 6879 677463 6772 6772 6772 6772 6772 6772 6772 67	1073 1194 1193 1193 1193 1193 1193 1193 119	1082 1282 1246 1499 1507 1751 1893 2012 24178 2312 2429 2516 2782 2905 3017 3136 3257 3373 4035 4349 4453 4453 4452 4681 5187 5187 5288 5296 5187 5296 5187 5296 5296 5296 5296 5296 5296 5296 5296	1092 1231 1357 1508 1615 1760 1903 2023 2528 2528 2528 2529 2799 2917 3032 2639 2799 2917 3032 4369 4369 4369 4482 4571 4887 4961 5081 5081 5081 6054 6772 6910 7156 7268 7496 7753	1111 1240 1346 1520 1643 1769 1912 2042 2233 2346 2525 2650 2850 2852 2932 3042 3143 3331 3435 3514 3721 3839 4074 4715 4847 4947 4971 5243 5458 5591 5791 5791 5791 5791 5791 5791 5791
1853 1679 1877 1807 1807 1224 1807 1235 264 2704 2818 2954 2964 2058 2131 2058 2131 2058 2131 2058 2131 2058 2131 2058 2131 2058 2058 2058 2058 2058 2058 2058 2058	1129 1273 1546 1556 1556 1558 1299 15794 1593 2083 2083 2083 2083 2083 2083 2083 208	1035 11464 11412 1555 11464 1412 1555 1800 1998 2251 23562 2727 2960 3080 23555 2960 3080 23555 2960 3080 2450 4500 4500 4501 5123 5281 5486 55746 6699 571985 57869 6821 77195 78789 7871 79897	1044 11308 1424 1500 1424 1500 1825 1825 1825 1825 1825 1825 1825 1825	1054 11716 11716 11716 11716 11717 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 1	1063 11827 1448 1583 1845 1845 1845 1845 1845 1845 1845 1845	1073 1194 11336 1485 1485 1593 1736 1883 2003 2167 23008 2783 3008 3126 2893 3371 3536 4024 4445 4545 4545 4545 4545 6572 5947 6016 6171 6291 6428 6526 6526 6541 6703 72346 7475 7593 7733 8033	1082 1222 1236 1499 1507 1781 1892 2178 22178 22178 2312 2419 2616 27905 27905 27905 3017 3181 3257 3381 3403 4483 4483 4483 4483 4827 4927 5037 5187 5187 5187 5187 5187 5187 5187 518	1092 1231 1357 1508 1615 1760 19035 2023 2328 2539 2799 2639 2799 2031 3144 3377 3414 3573 3414 3573 3414 3573 3673 3774 3673 3775 3677 5677 5677 5677 5677 5677	1111 1240 1346 1520 1643 1769 1912 2032 2346 2525 2650 2832 2343 2525 2650 2832 3042 3143 3435 3539 4074 4715 4847 4969 4475 4581 5591 5791 5791 5791 5791 5791 5791 579
1853 1679 1877 1807 1807 1807 1202 1807 1807 1807 1807 1807 1807 1807 1807	1129 1273 1546 1567 1792 1586 1567 1932 2083 2053 2363 2553 2827 2951 3193 33457 3638 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4086 4087 4088 4088 4088 4088 4088 4088 4088	1035 11464 11412 15561 118040 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261 129261	1044 11308 1424 1500 1424 1500 1825 1825 1825 1825 1825 1825 1825 1825	1054 11716 11716 11716 11716 11717 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 1	1063 11827 1448 1584 1584 1584 1845 1845 1845 1845	1073 1194 11336 1485 1485 1593 1736 1883 2003 2167 23003 2167 23008 2763 3371 3536 3008 3126 33247 3371 3536 4024 4445 4540 4819 4949 4949 4949 4949 4949 5061 5176 5306 6070 6070 6070 6070 6070 6070 6070 6	1082 1282 1246 1498 1507 1781 1892 2178 22178 22178 22178 22178 22178 2312 2417 2312 2417 2782 2417 3317 3317 3317 3317 3317 3317 3317 3	1092 1231 1357 1508 1615 1760 19035 2022 2323 2508 2639 27917 3032 2539 27917 3032 3144 35712 3897 4046 4482 4837 4961 5195 5340 5195 6077 5817 5817 5817 5817 5817 5817 5817 58	1111 1240 1346 1520 1643 1769 1912 2032 2032 2032 2032 2032 2032 2032 20
1853 1877 1877 1807 1807 1807 1807 1807 1807	1129 1273 1546 1567 1792 1546 1567 1793 1546 1567 1793 2023 2368 2553 2827 2951 3193 33457 3638 3741 34086 4484 4510 4792 4896 51127 5368 56131 5686 68131 7688 568131 7688 68131 7688 68131 76888 8773 7888 8773 8827 8827 8827 8827 8	1035 11484 11484 11485 11884 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 11894 1	1044 1188 1424 1508 1424 1509 1227 2391 25736 2975 2975 2975 2975 2975 2975 2975 2975	1054 11716 11716 11716 11716 11716 11716 11717 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 1	1063 1186 1186 1186 1184 1584 1584 1684 1684 1684 1684 1684 1684 1684 16	1073 1194 11336 1485 1485 1593 1736 1883 2003 2167 2302 2421 2608 2763 3302 2493 3302 33247 33371 3536 4024 4445 4540 4445 4540 4540 5176 5306 5176 5307 6056 6707 6056 6707 6056 6703 7234 7346 77598 7733 8132 8336 7033 8132 8336 8336 8336 8336 8336 8336 8336 83	1082 1222 1236 1498 1507 1781 1893 221312 2416 2118 221312 2416 2118 221312 2416 2316 2317 2318 2318 2318 2318 2318 2318 2318 2318	1092 1231 1357 1508 1615 1760 1903 1903 1903 1903 1903 1903 1903 190	1111 1246 1520 1643 1769 1912 2234 2525 2650 2650 2650 2650 2650 2650 2650
1853 1872 1873 1877 1807 1807 1807 1807 1807 1807 1807	1129 1273 1546 1554 1599 1599 1599 1599 1599 1599 1599	1035 11484 11484 11485 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 11804 1	1044 1188 1424 1508 1424 1508 1424 1509 1227 1825 1937 1825 1937 1825 1937 1825 1937 1825 1937 1937 1937 1937 1937 1937 1937 1937	1054 11716 11716 11716 11716 11717 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 11835 1	1063 1186 1186 1186 1586 1584 1584 1584 1584 1684 1684 1684 1684 1684 1684 1684 16	1073 1194 11336 1485 1485 1593 1203 21167 2302 2421 2608 2763 3302 2493 3302 3371 3536 4024 4445 4543 4819 4949 5176 5306 5176 5306 6707 6057 6057 6057 6057 6057 6057 60	1082 1222 1246 1498 1507 1781 1893 2178 2178 22178 22178 2312 2418 22178 2312 2418 2312 2418 2418 2418 2418 2418 2418 2418 24	1092 1231 1357 1508 1615 1760 1903 1903 1903 1903 1903 1903 1903 190	1111 1246 1346 1520 1643 1769 1912 2234 2525 2650 2650 2650 2650 2650 2650 2650
1853 1872 1872 1872 1873 1877 1877 1877 1877 1877 1877 1877	1129 11293 1546 1564 1594 1593 1546 15654 1932 22563 22563 22563 22563 22563 23643 2494 4513 2494 4513 2494 4513 2563 2563 25713 2563 25713 2563 25713 2563 25713 2563 25713 2563 25713 2563 25713 2563 25713 2563 25713 2563 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713 25713	1035 11484 1412 1584 1412 1583 1948 1225 11803 1225 11803 1225 1236 1236 1236 1236 1236 1236 1236 1236	1044 1188 1424 1508 1424 1508 1424 1508 1508 1508 1508 1508 1508 1508 1508	1054 11716 11716 11716 11716 11716 11716 11716 11717 11835 11835 11835 121832 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183 12183	1063 11827 1448 1584 1584 1584 1584 1684 1684 1684 1684 1684 1684 1684 16	1073 1194 1134 11485 11595 1485 1485 15736 1883 2003 2167 23001 2608 2768 3371 3630 31247 3371 3630 4024 44445 4543 4819 49444 4445 5305 5544 55797 6056 6703 6703 7131 7234 7246 7703 7733 8131 7234 77475 7731 8692 8830 8946 9978 9308 99180 99180 99180 99180 99180 99180 99180	1082 1282 1246 1498 1507 1781 1893 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 2	1092 1231 1357 1508 1615 1760 1603 1603 1603 1603 1603 1603 1760 1760 1760 1760 1760 1760 1760 1760	1111 12366 1520 1643 1769 1912 2234 2525 2650 2650 2650 2650 2650 2650 2650
1853 1672 1873 1877 1807 1807 1807 1807 1807 1807 1807	1129 1129 1129 1129 1129 1129 1129 1129	1035 11484 1415 1581 1581 1940 2051 1804 2051 1804 2051 1804 2051 2051 2051 2051 2051 2051 2051 2051	1044 11808 1424 1508 1424 1509 1424 1509 1509 1509 1509 1509 1509 1509 1509	1054 11716 11716 11716 11716 11716 11716 11716 11716 11716 11717 11716 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 11717 1	1063 1186 1186 1186 1586 1584 1584 1584 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12159 12	1073 1194 1336 1485 1535 1736 1883 2003 2167 2300 2467 2300 2763 3371 2608 2763 3371 3630 4024 4024 4024 4024 4024 4024 4024 40	1082 1222 1346 1499 1507 1781 1893 2178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22	1092 1231 1357 1508 1616 1760 1760 1760 1760 1760 1760 1760	1111 1246 1520 1643 1769 1912 2234 2512 2234 2525 2650 2293 2342 23525 2650 2293 2343 23525 2650 2293 23525 2650 2473 2473 4073 4073 4073 4073 4073 4073 4073 4
1553 1653 1677 1807 1807 1807 1807 1807 1807 1807 18	1129 1273 1546 1554 1599 1599 1599 1599 1599 1599 1599	1035 11484 11412 15581 1803 19081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12081 12	1044 11808 1434 1560 14324 1570 1825 1927 1937 1937 1937 1937 1937 1937 1937 193	1054 11716 11716 11716 11716 11716 11716 11716 11716 11716 11717 11835 11836 11712 11836 11712 11836 11712 11836 11712 11836 11712 11836 11712 11836 11712 11836 11712 11836 11712 11836 11712 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 1	1063 1185 1186 1186 1584 1584 1584 1584 1584 1584 1584 1584	1073 1194 1336 1485 1593 1736 1883 2003 2187 2300 2467 2300 2467 3371 3639 31247 3371 3639 4024 4024 4024 4024 4024 4024 4024 402	1082 1222 12346 1499 1507 1751 1893 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178	1092 1231 1357 1508 1615 1750 1750 1750 1750 1750 1750 1750 17	1111 13466 1520 1643 1769 1769 1769 1769 1769 1769 1769 1769
1553 1672 1772 1877 1877 1877 1877 1877 1877 18	1129 1273 1546 1554 1599 1599 1599 1599 1599 1599 1599	1035 11484 1412 15581 1803 19048 1225 11803 19048 1225 11803 1225 1236 1236 1236 1236 1236 1236 1236 1236	1044 11808 1434 1564 15702 1825 1702 1825 1825 1825 1825 1825 1825 1825 182	1054 11716 11716 11716 11716 11716 11716 11716 11716 11716 11717 11835 11836 11712 11836 11712 11836 11712 11836 11712 11836 11712 11836 11712 11836 11712 11836 11712 11836 11712 11836 11712 11836 11712 11836 11712 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 1	1063 1186 1186 1186 1186 1184 1184 1184 1184	1073 1194 11346 1485 1536 1736 1883 2003 2167 23421 2608 2763 3302 2893 3126 2893 3302 3377 3371 3530 4024 4445 4540 4445 4540 4819 4949 4949 4949 4949 4949 4949 4949	1082 1222 1346 1499 1507 1781 1893 2178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22178 22	1092 1231 1357 1508 1615 1760 1760 1760 1760 1760 1760 1760 1760	1111 1246 1520 1643 1769 1769 1291 2234 2650 2650 2650 2650 2650 2650 2650 2650
1553 1672 1772 1877 1877 1877 1877 1877 1877 18	1129 1273 1546 1567 1299 1279 1579 1579 1579 1579 1579 1579 1579 15	1035 11484 1412 15581 1803 19088 12251 1803 19088 12251 12362 2251 2252 23684 2253 23684 23684 2372 2372 2372 2372 2372 2372 2372 237	1044 11808 1424 1508 1424 1508 1424 1508 1508 1508 1508 1508 1508 1508 1508	1054 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 11716 1	1063 1186 1186 1186 1187 1184 1184 1184 1184 1184 1184 1184	1073 1194 11336 11485 11536 11485 11536 1203 12167 12303 12167 12303 12167 12608 12763 13098 13126 13098 13126 13098 13126 13136 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 13630 136	1082 1222 12346 1499 1597 1781 1893 22128 221312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 241312 24	1092 1231 1357 1508 1618 17503 1619 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503 17503	1111 1246 1520 1643 1769 1769 1291 2234 2514 2650 2650 2650 2650 2650 2650 2650 2650
1553 1672 1877 1877 1877 1877 1877 1877 1877 18	1129 11293 11294 11293 11294 11293 11294 11293 11294 11293 11294 11293 11293 11293 11293 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 12393 1	1035 11484 17412 15581 18464 17412 15581 18464 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 18462 1	1044 11808 1424 1508 1424 1508 1424 1508 1508 1508 1508 1508 1508 1508 1508	1054 11716 11716 11716 11717 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 11836 1	1063 11827 1448 1583 15845 1726 1729 1729 1729 1729 1729 1729 1729 1729	1073 1194 1336 1485 1536 1736 1883 2003 2167 2302 2421 2608 2783 3008 3126 2893 3327 3371 3530 4024 4445 4540 4445 4540 4819 3690 4024 4445 5061 6171 6526 6634 6703 6713 6728 6731 6731 6732 6732 6732 6732 6732 6732 6732 6732	1082 1222 1348 1499 1781 1781 1781 1781 1782 1782 1782 1782	1092 1231 1357 1508 1615 1760 1760 1760 1760 1760 1760 1760 1760	1111 1246 1543 1769 17643 1769 17643 1769 1201 1201 1643 1769 1201 1201 1201 1201 1201 1201 1201 120

On 1st September, 1979 there will become due and payable upon each Bond drawn for redemption,

interest will cease to accrue on the Bonds called for redemption on and after 1st September, 1979

The following Bonds, drawn for redemption on dates stated below, have not yet been presented for

1st September, 1977

£500 Bonds

£100 Bonds

1st September, 1978

£100 Bonds

7003

15612

6438

13182

7251

S. G. WARBURG & CO. LTD., 30, Gresham Street, London, EC2P 2EB.,

and Bonds so presented for payment must have attached all coupons maturing subsequently to that date.

the principal amount thereof together with accrued interest to said date at the office of: -

£1,860,000 nominal amount will remain outstanding after 1st September, 1979.

11595 11728

or one of the other paying agents named on the Bonds.

14037

30, Gresham Street, London, EC2P 2EB.

4341

13911

19082

1557 7714

21558

8515

1st August, 1979

14042 21555

2313 9112

BY RAY DAFTER, ENERGY EDITOR GULF OIL is to carry out a segment of the cil companies ploration and production have. At present the central and seabed survey of the English would benefit from the results already been granted in the southern platforms on Ninian

The survey, on behalf of 16 help reduce disturbance to groups of oil companies, is fishermen.

Approaches. British Gas Cor- the North See—are producing poration was last week awarded oil at the rate of 200,000 barrels a sixth round licence on block. groups or on companies, is scheduled to start midSeptember and will take about to avoid the high season for expected to be awarded over the since the field was brought on two months to complete.

seismic tests lies between Western Sea will tow record. In the North Sez, Chevron Sortium are: Chevron Petroleum Dungeness and Weymouth on ing streamers, some 1,800 Petroleum, operator for the (UK), British National Oil Corthe UK side of the Channel metres long. Gasguns will Ninian Field partners, has re-poration, Imperial Chemical median line. Western Geo-create sound-waves to penetrate ported the successful position. Industries, British Petroleum physical, the contractor, will use the sub-surface rock structure ing of the 8,500-ton deck on the Development Ocean Franchisch and Contractor, will use the sub-surface rock structure ing of the 8,500-ton deck on the Development Ocean Franchisch and Contractor, will use the seismic survey vessel Wes- and

Gulf said that as a broad

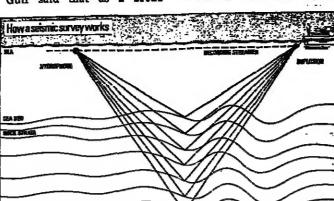
seabed survey of the English Channel to discover the area's oil and gas potential.

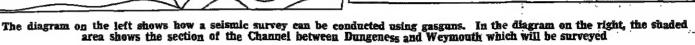
Would be less need for Channel and the Western —one of the biggest fields in individual surveys. This would Approaches. British Gas Cor. the North Sea—are producing

crab and lobster fishing, Gulf Oil next few years.

k structure ing of the 3,500-ton deck on the Development, Ocean Explorageological field's northern production tion, Murphy Petroleum, Ranger platform, due to begin production to (UK), and London and and gas extion in 1980. provide information.

Licences for oil and gas ex-





Attack on office waste

By James McDonald

THE COST of producing one letter in an office is £5, according to a survey conducted by the Alfred Marks employment bureau among more than 1,000

secretaries and clerks.

The survey, Waste in the Office, criticises managers for bad timekeeping, spending too much time on the telephone and writing unnecessary letters. It claims that more than one-third of all commercial letters are

Mr. Bernard Marks, of Alfred Marks, said: " Too often a secretary is regarded as a status symbol by an employer and is not properly employed." Almost 75 per cent of survey

participants claimed their time was not used effectively and that they had abilities untapped by their employers. Only, 40 per cent of managers were credited with planning their day by delegating or dictating in the morning. Employers were also accused of spending too much time on entertainment. Replying to the survey, the

British Institute of Management said entertainment was in the pursuit of business and "although managers may be late

The Confederation of British Industry, said: "It is up to managers to lead the way, not only in the larger sense of the staff by personal example into higher productivity."

Sainsbury speeds up laser checkout tests

BY DAVID CHURCHILL, CONSUMER AFFAIRS CORRESPONDENT

THE SAINSBURY supermarket The Key Markets store will reaction to this trial has demon-chain has decided to accelerate be using the specially developed strated the acceptability of the its testing programme for new laser-scanning electronic check-

checkouts without laster scanning at its Crawley store. But Sainsbury said yesterday that this experiment would be extended to include laser-scanning next year. A similar trial was due to start this autumn at the Chippenham branch but the trial has now been transferred to a

its superstore in Spalding, Lincolnshire.

already used in U.S. and Euro- Mr. Anthony Bevins, the Mail's pean supermarkets, contain a political correspondent.

could have certain knowledge of laser beam which reads a Sir Harold had complained of matters under committee invesspecial "bar code" printed on a Daily Mail article on April 24 tigation which he would have

out operators will not have to was mentioned by name in the had neglected his duties as an key in prices, which often leads article. Mr. Geoffrey Shaw, his MP would be wholly unjustifi-

IBM system and equipment. This system has also been used outs. at Sainsbury's Crawley store
The company had already experiment. Sainsbury said
started trials of electronic yesterday that "the initial

system and the urgent need to progress towards scanning." Sainsbury's other experiment will be carried out using NCR

stream in December, 1978.

Partners in the Ninian con-

Wilson wins libel action over Daily Mail article

different branch and will start SIR HAROLD WILSON yester and standing committees and by next year.

Sainsbury's decision to damages" in settlement of his Mr. Shaw said it would be accelerate its testing programme High Court libel action over follows the decision by Key a newspaper article which Minister to serve on such com-Markets, the Fitch Lovell super-suggested he had neglected his mittees as this often involved markets chain, to start operating duties in the 1976-77 Parlia investigating the work of such a system this autumn at mentary Session. Government departments and

He had sued Associated Newsincolnshire.

papers Group, Mr. David the investigation of a departThe new electronic checkouts, English, Dally Mall editor, and ment during his premiership.

to mistakes. Shoppers will counsel, told Mr. Justice Gibson. able. They withdrew any such intended to expand production receive a till receipt which The article suggested he had imputation and agreed to cay rapidly, creating 100 jobs at describes the product and gives been neglecting his duties by damages and Sir Harold's legal the new factory by the end of not serving on Commons select costs.

most unusual for an ex-Prime could accordingly have involved

had neglected his duties as an

Gulf plan to seek Channel oil Cheaper homes sought

BY MICHAEL CASSELL

FIRST-TIME house buyers now have to pay an average of £15,200 for their home, says Nationwide Building Society.

A survey by Nationwide, the country's third biggest society, shows that new owner occupiers are going for cheaper dwellings and thus paying about a third below that paid by existing home buyers.

First-time buyers are seeking older homes and more terraced houses in their search for the cheapest property.

At the bottom of the range, pre-1919 terraced houses now cost an average £11,920, although the society points out that there are considerable regional variations. In Greater London, the most

expensive region, the cheapest property category involves pre-1919 flats at an average price of

In the East Midlands, the lowest priced region, the cheapest type is the pre-1919 terraced house selling for an

average of £6,720. About 50 per cent of first-time buyers were previously living with parents or relatives, while more than 25 per cent rented from a private landlord and 12

per cent were local authority tenants. Most of the others lived in accommodation provided by employers. Mr. Leonard Williams, chief general manager of the Nation-wide, said that in spite of the recent rise in house prices, about 45 per cent of his society's

loans were going to first-time buyers.

They were not therefore, being priced out of the market. but more were turning to older, tarraced homes because they were cheaper, usually conveniently situated for work and offered adequate space for a couple's first home.

New factory for clothing company

SCOTTISH CLOTHING com-pany S. Meadow expects to increase its workforce by more then a third by moving into a new factory on the Queenslie industrial estate in Glasgow.

Furthermore, Sir Harold The huilding leased from the could have certain knowledge of Scottish Development Agency, will enable the company to centralise its cloth cutting in grocery products and automaticallast year, alleging that backalleging provides price and product bench MPs had one of the worst committees, which he would not absenteeism records in Britain. Sir Harold, who resigned as The defendants recognised Ayrahire, for increased output The system means that checkalleging that article on April 22 (regulon water ne would not acquired in Cabinet meetings or one plant. The expansion frees at the two existing factories in Glasgow and Irvine, Ayrahire, for increased output of jeans and trousers.

Mr. Eliot Leviten, the year.

OTHER MEN'S JOBS: TROPICAL FISH IMPORTER

BY PAUL CHEESERIGHT

Colour and money from foreign waters

MORIARTY IS not mean nor aggressive, but he does like to be master in his own house. He is a flamboyant lover. Like others of his ilk, he colours vividly when amorous -becomes luminous even. He dances before the object of his desire, seeking to entice her to his love-nest.

His tactics have paid off. In the last nine years or so, he has had up to ten wives. The

Continuing the new midweek series of articles on unusual jobs.

number of his offspring is uncertain, but runs into hundreds. Such virility, and Moriarty is only 12. But Moriarty will never find a

place in the Guinness Book of Records. He is not Homo Sapiens but Pseudotropheus Tropheops, a Malawi Cichlid, He is, indeed, the first fish ever bought by Barry Myerscough an hotelier and tropical fish breeder at Hebden Bridge, Yorkshire.

Moriarty is more of a family pet these days, but he remains at the centre of a husiness which is rare in the world of ornamental fish. Rare, because Mr. Myerscough breeds fish commercially as well as buying and distributing.

The industry is dominated by imports, and the tropical fish side of it is just part of a trade which also takes in coldwater fish like goldfish and garden fish. Breeding is difficult in the face of competition from places like Singapore. where overheads are low and heating problems non-

of enthusiastic amateurs who do some selling on the side, often to defray the costs of their hobby. Wild fish taken from the rivers and lakes of South America of Africa, can be expensive—on to £300 a pair. But some companies may again consider the possi-bility of breeding import costs rise. Malcolm Hardy, one of the in-

Breeding is mainly in the hands

dustry leaders and managing director of Aquatic Nurseries, Hampton, Middlesex, says:

The Europe-Far East trade is highly developed. In Singapore, some brokers buy direct Breeding is easy, it's the growing that's the problem. You need ponds. And for ponds you need space. Ponds

under glass are expensive."
There is a world of difference between Mr. Hardy's scale of operations and Mr. Myerscough's tanks. Aquatic Nur-series has 250,000 tropical fish in stock for most of the When coldwater fish imports are in season, its fish population rises to a million. The Hardy fish importing and wholesaling empire is one of the biggest in Europe with

sets it apart from the rest of the industry. Fish importing is largely in the hands of small businesses. The statistics are shadowy, but there are probably about 1,000 importers of tropical fish. They supply more than 1,200 pet shops, of which about one-third specialise in fish. It is not known how much the nation spends on ornamental fish imports as the industry category in the annual trade

figures. The Pet Food Manufacturers' Association estimates that 7 per cent of British households — 1.2m - keep fish of some sort. The hobby has been growing

in popularity for the last century. It supports maga-zines like The Aquarist, and gives the three large pet food manufacturers sales of about £500,000 a year. Importers are always dashing to London Airport to pick up new shipments. The fish arrive in cardboard boxes like wine cases. The hoxes have an internal layer of polystyrene insulation, inside which is a plastic hag containing about one-sixth water and fivesixths oxygen,

Many of the shipments come from Singapore, Hong Kong and Bangkok, the main centres for the tropical fish trade. Fish to start an aquarist's career include exotically named species as the velvet black mollies and the olive-green platys.

from the commercial breeding ponds and ship to the waiting importers. This worries the purists who prefer fish to come from garden.

their natural, habitat, They argue that the Singapore fish, for example, are "manmade" and their colours are unnatural. It is said that Singapore breeders use some of the ingredients of the contraceptive pill to induce added vividness. Once the hormonal and Vitamin B complex additions to the fish's diet are stopped, the an expected turnover in this higher colouring fades. financial year of £1.75m. This Mr. Hardy eschews the Far

East export stations, as they are called in the trade. He has built up his business by seeking out the unusual in South America and Africa. He has gained the European franchises from some American exporters—and it has all happened rapidly.

For many years he was an amateur aquarist until he

turned professional in 1971. Armed with £1,500 insurance money from a car crash, the same amount from a partner, and what he calls "a little help from the bank," he went into business in a back

After a few months he expanded and moved into premises subject to a compulsory purchase order. In the first two years the business lost money. Mr. Hardy bought out his partner in 1974 and never looked back. Profits, he realised, could only come if expansion was on a large scale. The fish sales led to other avenues of business, such as books, food and equipment. The selling of the inanimate is less risky than the selling of fish.

The trouble with fish, to put it brutally, is that they die. Wild fish are more vulnerable than the commercially bred creatures from the ponds of Singapore. A fish caught down an obscure tributary of Tomorrow: Pillow stuffing.

the Amazon may have to travel 1.000 miles before it reaches the export station. The export packaging for the air trip to Europe may be less than expert, and acclimatisation is difficult.

distinct lack of product con-trol. This explains the high but varied mark-ups on the fish as they pass down the distribution chain. Regulations in the trade are

In business terms there is a

fluid, which worries the big importers. Companies hand-ling between 60 and 80 per cent of European imports have founded Ornamental Fish International.

The organisation has worked out a regulatory code for im-port stations. Working with the UN, it is embarking on a scheme to encourage, in a controlled fashion, exports from the developing world to the industrialised nations. Moriarty and his progeny have entered the world of diplomacy.



Mr. Maicolm Hardy tends open-air ornamental fish tanks:



هكذامن الأحمل

Cheape homes sought by buy

Is this the right way to raise capital funds?

Some people will go to almost any lengths to try and raise capital funds.

But, when all's said and done, sheer determination will never be enough, on its own. What's needed is a sound reputation. And that reputation has to be established before you can expect to raise any kind of capital.

Advertising builds reputations

Corporate advertising is one way of achieving that objective.

Intelligently used as a corporate communications vehicle, effective corporate advertising not only educates and informs, it also helps to develop—and confirm—ideas and attitudes among widely differing groups of people.

Far from hindering your company's relations with the financial community, it can only improve them. Now and in the future.

Getting the right results

Recognising the value of corporate advertising is one thing. Getting it right is another.

It has to relate to your company. It has to relate to its audience.
It demands a long-term commitment.
And, obviously, it has to be done well.

Which is why we've produced a book to help you get it right.

A guide to successful work

"Corporate Advertising: Menace, myth or magic formula?" not only discusses the importance of corporate advertising, it tells you how to go about it.

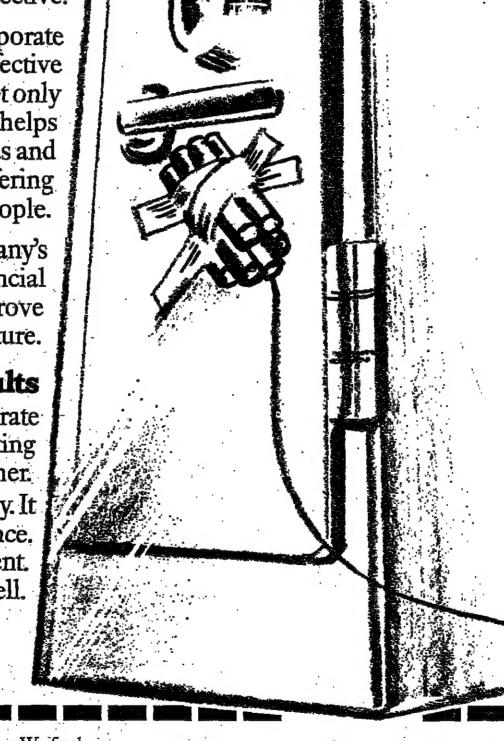
It includes examples of successful campaigns. It talks about strategy and timing. It discusses the media you can use to reach specific audiences.

And, most helpful of all, it provides you with a detailed checklist from which you can begin to identify all those occasions when your company could benefit from a corporate advertising campaign; such as when you want to raise investment capital, or seek the goodwill of the financial world.

Send for your copy now

You can get a free copy of this new book simply by completing and returning the coupon below.

We can't guarantee that your advertising will improve your standing overnight. But what you'll learn from "Corporate Advertising: Menace, myth or magic formula?" will certainly alter your attitude towards reputation building.



To: Anthony Wreford,
Financial Times, Bracken House,
10 Cannon Street, London EC4P 4BY.

NAME
POSITION

COMPANY

ADDRESS

NATURE OF BUSINESS

FINANCIAL TIMES EUROPE'S BUSINESS NEWSPAPER

aters

Civil Aviation Authority set to raise its fees

BY MICHAEL DONNE, AEROSPACE CORRESPONDENT

its services to the UK aviation autumn to meet soaring costs. no say in the charges applied, £14.9m. But, even so, the authority is since these are the prerogative

likely to incur a bigger loss on of governments—include traffic £15.6m in 1977-78, a £44m loss its operations for the current control services in the UK air in 1976-77, and a £53.3m loss in financial year than the deficit of space, and contributions to 1975-76. £14.9m in 1978-79. European air traffic control This

Mr. Nigel Foulkes, chairman of the authority, said in London yesterday that, apart from inflation, one of the main reasons for a deficit was the recent Civil Service pay award. It would add some £20m to the authority's costs this year, and the authority had no control over it. It was not allowed to negotiate its own pay structure with its staff, and was obliged to accept the settlement agreed between the Civil Service unions and Whitehall.

'I do not see how we can absorb all these extra costs by increased efficiency in the course of this year," says Mr. Foulkes in the latest annual report from the authority. "And I fear we shall have to raise some of our charges on the 'con-

The "controllable" operations controls. are those covering air traffic services for the North Atlantic to extend the noise controls to area, and for airports in the UK, small business and executive jet phased out of service by that together with safety activities, aircraft.

FEES CHARGED by the Civil route licensing and fees for air- authority made a profit of £1.9m. Aviation Authority for many of worthiness and other activities. On its uncontrollable operations, The "uncontrollable" operathe authority incurred a loss of community will have to rise this tions-where the authority has £16.8m-giving a net loss of

This compared with a loss of

This progressively declining (Eurocontrol) together with the deficit, in the authority's view. costs of running the airfields in clearly indicates that it is "manthe Highlands and Islands of aging its resources effectively and can stand comparison with The authority's annual report many organisations of compar-for 1978-79 shows that on its able size in the public and pricontrollable operations, the vate sectors."

Noise controls tightened

BY MICHAEL DONNE TIGHTER CONTROLS on air-craft noise will result from a new order will also allow the

Called the Air Navigation by (Noise Certification) Order, 1979, it makes it possible for the Government to enforce noise controls on propeller-driven air- landing. trollable' operations in the craft which have hitherto been autumn."

new Government order which becomes effective today.

Government to prohibit, from January 1, 1986, any aircraft on the UK register which has not by that time been given a "noise certificate," declaring that it meets the stringent noise requirements for take-off and

In effect, this part of the new outside the scope of such order will mean that many of today's ageing and noisy Boeing It also allows the Government 707s, VC-10s, Tridents and One-

MEWS ANALYSIS—HEALTH CUTS RESISTANCE

The dilemma facing Mr. Jenkin

BY PAUL TAYLOR

DECISION Southwark and Authority to flout Government requests to cut spending has brought the cash problems confronting health authorities—and the dilemma facing the Government-into sharp focus.

facing some health authorities in England and Wales—and particularly those in London and the South East—reflects the impact of a wide range of

These include the higher-thanexpected level of pay and price inflation set against the backmined to contain public expen-diture, the increase in the VAT rate and, perhaps most im-portantly, changes in National Health Service fund allocations between the 14 regional health squeeze" which would result in authorities.

that Mr. Patrick Jenkin, Social Service funds this year. Services Secretary, had deferred announcement of his deci- Allocations sion on how to deal with the authorities

The immediate cause of the statement in the Commons ten cularly hard hit is because they days ago giving the Govern- have already been forced to ment's attitude to health ser- make savings due to changes in

financial year.

He made it clear that the

companies in the world.

pay awards. Under present arrangements, to

the National Health Service are the allocated on a yearly basis to regions has recently been parti-the 14 regions which in turn cularly severe. The immediate cash crisis determine specific allocations. While the operation of the acing some health authorities to the 90 area health authori- Resource Allocation Working

the area level, the the responsibility of the area health authority whose chairmen are appointed by the Secretary of inflation set against the back-ground of a Government deter-mined to contain public expen-Jenkin's statement as a move to impose spending cuts "by the back door."

Mr. Jenkin himself described his statement as "a spending a shortfall of between £90m and The announcement yesterday £100m in National Health

Of this £90m to £100m, Mr. area nealth authority Jenkin said between £35m and pending further legal considera- £40m was attributable to the tions serves to highlight the increase in VAT but the nature of the Government's remainder was due to other dilemma. For whatever action inflation — the roots of which Mr. Jenkin decides on will be he laid firmly at the door of tration.

The reason the four regions crisis facing Lambeth, South- - and therefore the area health Health Authority is Mr. Jenkin's the South-East have been parti-

BSN-GERVAIS DANONE

No 1 IN THE FRENCH FOOD AND DRINK SECTOR

ONE OF THE FIRST EUROPEAN GLASSWARE GROUPS

AN INDUSTRIAL GROUP OF INTERNATIONAL PROPORTIONS

With a consolidated turnover of Frs. 14.4 billion in 1978, a staff of

57.000 employees and 120 factories in France and abroad, BSN-

GERVAIS DANONE appears among the first 90 non-American

BSN-GERVAIS DANONE, 1st French group in the Food and Drinks sector has three

BSN-Gervais Danone is the first European bottle producer. It also makes jars for

preserving fresh food, containers for the perfume and pharmaceutical industries,

This sector's activities (glass production for the automobile and building industries)

hold a very strong international position with factories in France, Belgium, Germany,

CONSOLIDATED FINANCIAL STATEMENTS 1978

12 %

4.5%

For the 1978 financial year, consolidated turnover reached Frs. 14.388 million, showing an increase of 11.7% compared with 1977.

The Group's cash-flow reached Frs. 821 million, an increase of 15% compared

Consolidated net profit is Frs. 45.2 million against Frs. 13.8 million in 1977.

Fresh products with Gervais, Danone and Stenval products.

Beverages with beer (Kronenbourg-Kanterbräu), mineral water (Evian, Badoit), and soft drinks (Fruité, Eva, Canada Dry).

Dry groceries with pasta and prepared dishes (Panzani), baby foods (Bledine, Fari-Gallia, Phosphatine), health food products (Cracottes).

BSN is an industrial group with three main sectors:

THE CONTAINER SECTOR: 16% of its total turnover.

THE FLAT GLASS SECTOR: 30.8% of its total turnover.

For each branch of activities, turnover increase is as follows:

— CONTAINER

with 1977

— FLAT GLASS

- FOOD AND BEVERAGE

THE FOOD AND DRINKS SECTOR: 53.2% of its total turnover.

of the £4.28bn allocated to the 14 Government's Resource Alloregional health authorities for cation Working Party, one of 1979-80, except to cover agreed the key elements of which is population. Although designed distribute resources more Government funds to pay for fairly, the formula's impact on London and South-East

> Party formula was broadly At the area level, the endorsed by the Royal Commis-management of NHS funds is sion on the Health Service's recent report, it also pinpointed the symplus available to the oilmembers the problem facing the four Thames regions which are responsible for many of the postgraduate and teaching

The Commission accordingly recommended that an independent inquiry should be set up to study the particular problems facing the London health authorities

This suggestion may be one which appeals to the Secretary of State as a partial way out of the Lambeth, Southwark and Lewisham Area Health Authority problem since the hospitals, Guy's, King's College. and St. Thomas's.

does have the power to remove keenly watched by other health the previous Labour Administ he members of an area health authority and appoint his own caretaker special commissioner. However, if he chooses this

Lewisham Area authorities - in London and course he may face political apposition together with apposition from doctors, trade unions and councillors.

Mr. Jenkin's solution to the vice expenditure in the current the allocation of resources problem will be made known financial year. between the 14 NHS regions. today. Whatever course he He made it clear that the Funds are distributed adopts the issue is unlikely to Government was not willing to between the regions based on be forgotten as quickly as he adopts the issue is unlikely to increase the cash limits on the a formula determined by the would have wished it to be.

Interest ratescaution

By Peter Riddell, Economics Correspo

THE INCREASINGLY cautious City view about the short-term prospects for interest rates is further supported today by a batch of stockbrokers' reviews. Panmure Gordon and Co doubts that bank lending and the money supply will respond quickly to government measures announced so far, and suspects that further action may be invoked. Specifically, the short-

.The review says "the question of whether present monetary policy is too relaxed (that is ineffective) or merely delayed in its impact may nonetheless be resolved by the authorities acting to pre-empt any doubts."
These comments highlight the change in analysts' views in

term interest rate prospect is

not encouraging.

the last month.

Previously there had been hones that bank lending would quickly become less buoyant so that short-term interest rates could soon decline. But now there is much greater cautionhighlighted by the warning on Monday in Barclays Bank financial review about a possible

rise in short-term rates. Sheppards and Chase, another firm of stockbrokers, says that it will not be until the Novem-ber banking ficures are published—just before Christmas— before there are "the first reasonably reliable indications of a fall in bank lending even if, as is likely, one has been under way by then for some time." This is partly because of various distortions.

Oil impact

The firm concludes that the fall in short-term interest may be later and slower than generally expected.

In a new review of the imnact of oil and financial marhers. Wood Mackenaie, stockbrokers, says that increase in producing States may cause

A large nart of the increase in the surmius is likely to be held at first in short-term fillanriel marbete. This imalies an increased notionice on the interrational hanking system to reevelo funds to the less developed comptries.

" it nresent. Jendina maralin to parillary fining th recording of ם עון פני עטים צופאושיייטע ען פע באוניים less docelloned countries may to provide haseason attitude to the hanks involved if they are to be adequately rewarded for

"Another peert may he to warran the unjetility of ex-Under the 1977 National transe Trates. In the short-term Health Service Act Mr. Jenkin greate which is already overvalued na s fundamental view. may he nuched even hicker. thing increasing its milne-chility to a sharm and painful downchanges."

General **Motors UK** profits fall

By Kenneth Gooding, Motor Industry Correspondent

GFNERAL MOTORS of the U.S. has injected a further £10m into its UK subsidiary by way of low-interest, long-term loans.

The annual report of General Motors of the UK also shows that taxable profits fel! from just over £10m to £8.674m in Turnever just kept pace with

inflation and rose 13 per cent from £171.5m to £194.4m. GM Ltd. is responsible for the AC Delco components husiness; the Detrnit Diesel Allison oneration, which assembles diesel engines and adapts American-built Allison transmissions for Europe; sales of Opel cars in the UK, and owns

GM Ireland. The Frigidaire refrigeration out, so turnover from this business in 1978 dropped from

GM Ltd. components were hit by the nine-week Ford strike last autumn.

In spite of this AC Delco turnover improved by 18 per cent from £90.4m to £106.4m last year. The Opel Marketing Unit rose 38 per cent from £40.9m to £56.4m. Detroit Diesel Allison sales feil from £24.3m to £23.3m. GM in the U.S. collected a

£3.577m interim dividend (£1.825m in 1977) but there was no final dividend payment. The two loans from GM in the U.S. involved £7m at an interest rate of 7 per cent and £3m at 61 per cent, both repayable in

March 1988. As a result GM Ltd. was able to reduce bank overdrafts from £2? 4m to £10 7m. BM Ltd.'s exports last year

rose from £40.3m to £44.5m. and the average number of employees was slightly down from \$ 807 to 8,489. Profit retained for the year

dropped from \$5.9m to £3.24m. This means that the profit retained in the husiness rose from \$11 67m to \$149m. The and 1978 balance sheet showed net assets at £31.3m (£18.54m). CBI SURVEY OF INDUSTRIAL TRENDS

Export optimism falls sharply

BY JOHN ELLIOTT, INDUSTRIAL EDITOR

industry

deteriorated to a significant extent" according to the Conquarterly industrial trends survey published yesterday.

In particular, optimism about ing year has "weakened a whole." sharply," and a lack of price competitiveness is making the problem more serious.

Investment intentions are weakening, and there are also indications of a drop in the numbers employed. Increases in unit costs and in average domestic selling prices have also become more widespread.

These are the main points in the survey which was conducted among 1,891 manufacturing companies employing 3m people during the first half of July, when industrialists had had time. to absorb the implications of both the Budget and the OPEC oil price rises.

recovering to its highest level for over five years, the prospects for the coming months for orders and output are weak." says the survey.

Implications

"This may, in part, reflect the temporary impetus to activity, arising from the recovery after the dislocation earlier this year coming to an end."

Summarising the implications of the survey, the CBI says:
"Over the next few months the
support to demand due to the recovery from the strikes will come to an end, while we expect consumers' expenditure and other components of domestic demand to fall back from their levels of the second quarter. As a result of this, taken together with poor export prospects, manufacturers now expect a

weakening in levels of activity." Turning to the implications for profitability, the CBI says: "In the coming months already weak industrial profitability will in addition be affected in various wave by the rise in sterling and the increases in world prices of primary products that have taken place

A below average number of companies believe ther will be able to raise their export prices in the next four months. This means, says the CBI, that "the outlook for company profits, particularly in exporting industries, 'a therefor**e**

Analysis of the detailed 12 ner cent of the commanies completing the CBI augstionnaire are more cotimistic shout than they were four months 270. and 34 per cent are less ontimistic. The resulting hal-ance of minus 22 per cent indicates a sharp dron in husiness confidence, even though 53 per rout of the respondents ton bad meimitge ried had not channed in the past four

Large companies have become more pessimistic than small rielnesses, and only seven of 44 industry groups in the survey indicate greater optimism-amone the seven is coal and netroleum products which "Of the factors which are report a significant improved likely to limit the ability of

On investment, there is a slow decline of corrappiet intending to increase their capital of overseas competitors con-authorisations on both plant tinues to be by far the most authorisations on both plant tinues and machinery. There is only imports a balance of plus 8 per cent in report. the number of companies planing to invest more, rather than by 69 per cent of participants, a less, in the next 12 months than record for this question which they did in the past year on plant and machinery. hulldings, there is a negative halance with 9 per cent expect- seem to be worst affected, says ing to invest less rather than the CBI.

has the CBL

"For the early part of 1980, these results suggest that the rate of investment growth will federation of British Industry's slow further. However, there is no evidence yet from the investment intentions contained in the survey results of sharp falls in investment for the export prospects over the com- private manufacturing sector as

> tion of companies expecting a decline during the next four months points to falling employment levels in manufacturing industry, says the report. The downward trend is more marked in larger companies

and in the metal manufacturing markedly strong upward trend future employment expectations

The balance of companies reporting an increase in the volume of new orders has fallen from plus 11 per cent in April to plus 6 per cent. It is assumed that the better April return in-"While there has been an dicated a recovery in orders improvement in activity levels after the winter's strikes. Conwith capacity utilisation sumer industries have shown the best results, but overall a weakening of demand is expected over the next four months, especially in intermed-

iate industries.
Capacity utilisation improved again during the past three months with only 51 per cent of companies in the survey saying they are working below a satis-factory full rate of operation. This compares with 55 per cent in April, 61 per cent in January, and 64 per cent a year ago. The current figure indicates

the highest rate of capacity utilisation since April 1974, when industry was recovering from the three-day week, and is similarly ascribed to "tempor-ary catching up" following jast winter's strikes.

Shortages

Looking ahead, shortages of orders and sales are listed as the main constraint to output

over the next four months.

Shortage of skilled labour remains the second most important constraint but, says the CBI, is now mentioned by a lower proportion of participants than would be expected on the basis of the past relationship with the level of capacity working. Nevertheless, the problem is serious for companies in businesses such as agricultural machinery, constructional steelwork, instrument engineering, and hoslery and knitwear. On exports the survey shows

that only 7 per cent of the companies affected are more optimistic about prospects for the menths ago. While 45 per cent report no change in their view, per cent are now less opti-The resulting balance of

minus 40 per cent is the worst result since this question was first asked in June 1961. The deterioration is spread across manufacturing industry with only two of the 44 sectors saying their prospects have improved. There appears to have been little change in the volume of

new export orders in the past four months but a decline is indicated for the next four months, especially mediate industries such as metal manufacture and textiles.

companies to obtain new export orders over the next four months, prices relative to those important," says the survey This constraint is itemised

was first introduced in June 1964." Smaller companies and those in intermediate industries CBI Industrial Trends Survey.

The results of the survey. July 1979. No. 73. Full results although only partly referring annual subscription £75 (CBI to investment in 1979, may members £30). CBI, 21 Tothill indicate some downward re- Street, London SW1.

Export trade

Companies completing these questions have direct exports exceeding £10,000 per annum. Number of respondents 1,355. More Same Less N/A Are you more, or less, optimistic about

your export prospects for the next 12 months than you were four months ago 7 45 47 1 (19) (54) (26) (1) Excluding seasonal variations, do you consider that in volume terms: Above Below normal Normal pormal (a) Your present export

order book is Excluding seasonal variations, what has been the trend over the past four months, and what are the expected trends for the next four months, with regard to: Trend over past Expected trend over

next four months Up Same Down N/A Up Same Down N/A Volume of total newexport orders 24 (27) (44) (26) (4) (25) (53) (18) (4) Volume of export deliveries 31 (24) (45) (28) (2) (32) (54) (12) (2) Average prices at which export orders are booked

47 40 11 2 49 37 12 2 (51) (40) (6) (2) (52) (39) (7) (3) What factors are likely to limit your ability to obtain export orders over the next four months? Quota and Political or Prices dates

import economic (compared with over-Credit or licence conditions finance restrictions abroad seas competitors) 11 (12) (17)(8)

OPTIMISM ABOUT the general vision to investment plans for General replies the rest of the year "concludes General replies

TOTAL TRADE.—1.891 respondents. All figures are percentages on a weighted sample. Figures in parentheses show the response to

the survey carried out last May. More Same Less Are you more, or less, optimistic than you were four months ago about the general business situation in your industry? (21) (64) (15) More Same Less N/A On employment, the propor- Do you expect to authorise more or less capital expenditure in the next 12 months than you authorised in the past 12 months on: (a) Buildings (24) (36) (38) (10)

(b) Plant and machinery (38) (25) (1) Yes No N/A ing is the only industry with a Is your present level of output below capacity

(i.e. are you working below a satisfactory full 51 49 (55) (44) rate of operation)? Excluding seasonal variations, do you consider that in velume terms: Above normal (a) Your present total order book is (20) More than Less than

(58) (13) (15) past four months, and what are the expected treads for the next four months, with regard to: Trend over past Expected trend over

adequate Adequate adequate (b) Your present stocks of finished goods are Excluding seasonal variations, what has been the trend over the four menths next four months Up Same Down N/A Up Same Down N/A
Numbers employed 18 50 32 — 13 58 28 — (17) (47) (36) (-) - (19) (55) (25) (-) Volume of total new (\$2) (45) (21) (2) (25) (63) (11) -(3) 32 46 20 2 17 87 24 2 (\$\$) (47) (19) (2) (22) (65) (19) (2) Domestic orders Volume of eutput . (26) (54) (18) (1) (30) (68) (6) (1) Volume of domestic 35 46 17 1 25 57 18 1 (80) (42) (20) -(1) (32) (60) (7) ...(1) deliveries Stocks of: (a) Raw materials and-brought in supplies 36 51 17 2 13 62 22 8 (24) (57) (18) (2) (18) (70) (12) (2) 26 84 18 7 12 62 18 7 (24) (55) (16) (6) (16) (65) (12) (6) (b) Work in progress: 24 44 18 14 13 54 18 14 (20) (47) (21) (12) (19) (53) (18) (12) (c) Finished goods Average costs per unit 78 26 1 1 77 21 of output. (75) (20) (2) (2) (74) (22) (2) (2) Average prices at which: Domestic orders are 57 29 3 1 85 31 1 2 (59) (38) (2) (2) (86) (31) (1) (2)

Approximately how many months' production is accounted for by your present order book or production schedule? Less than 1 13 4-6 7-9 10-12 13-18 than IS N/A

 $(\overline{11})$ $(\overline{42})$ $(\overline{17})$ $(\overline{5})$ $(\overline{2})$ $(\overline{3})$ $(\overline{1})$ $(\overline{18})$ What factors are ifkely to limit your output over the next four

or sales: labour labour capacity finance penents Other 70 21 5 15 2 9 4 (63) (23) (6) (16) (3) (8) (3) (23) (6) Factors likely to limit your capital expenditure authorisations on buildings, plant and machinery over the next 12 months: (a) I have adequate capacity to meet expected demand

Although I have adequate capacity, I have also capital investment opportunities which would be profitable at the present cost of finance, but I shall not be undertaking some of them for the following reasons:
(i) Sheriages of internal finance (ii) Inability to raise external finance (iii) Shortage of managerial and technical staff

(iii) Shortage of managerial and technical stain

(iv) Shortage of labour

(3)

(v) Other

1

(c) My capacity is not adequate to meet expected demand but I do not intend to increase my capacity. This is for the following reasons

3 following reasons (4)

(iii) Insbility to raise external finance (iv) Shortage of labour (1) (vi) Other 2
(d) North of the above is applicable 27
(23)

Scottish investment likely to fall fast

BY RAY PERMAN, SCOTTISH CORRESPONDENT

CAPITAL INVESTMENT in machinely. In April the figures Scotland is likely to decline were 27 and 31 respectively. more quickly than expected. The most important to this drop in conaccording to the CBI survey for fidence appears to be pessimism about the level of future expert

trend of investment over the until the beginning of winter

But the survey shows that grants, do not seem to have investment. Intentions have had this effect weakened marketly since April , Some 52 per cent, of com-

Recent economic predictions sales probably due to the conhad indicated that the rising tinned strength of sterling. The Government's cuts in last year would continue at least regional aid which, because they until the beginning of winter have been announced in and thereafter decline due to advance might have been high interest rates and a expected to prompt a shortgenerally gloomy economic out- term investment rush to take advantage of still -available

The most important factor

when the last questionnaire was panies said they were less sent out.

Only 17 per cent of compects than they had been in panies expected to authorise April Only 4 per cent were more spending on building in more optimistic.
the next year than they had. In the domestic market, 50 done in the last 12 months and per cent said they were less 12 only 25 per cent said they would optimistic and only 8 per cent (12) spend more on plant and were more so

To obtain a copy of the Annual Report please complete this coupon and send to: . Relations Extérieures - BSN - GERVAIS DANONE 7. rue de Téhéran 75008 - PARIS - FRANCE ا هڪنامن الثمن

BY ALAN PIKE, LABOUR CORRESPONDENT

100

1

3....

agreeing not only the claim for to name companies:
a new minimum craft rate of £80 Mr. Frodsham said that due

dispute for companies which was sure this would lead to them have said they will meet the beginning to question the wis-claim. Although Mr. Duffy said dom of the unions leadership.

Customs

fight cuts

INDUSTRIAL action by customs

officers

By Our Labour Staff

a Tew weeks. .

crease that figure. ..

Government plans to cut jobs at the Department's premium bond computer, ERNIE.

TV union

given 15%

THE INDEPENDENT television companies have made'a pay offer thought to be worth-

about 15 per cent to the Association of Cinema-tograph, Television and Allied

The association has been

carrying out surprise industrial action, which has

blacked out some ITV pro-

grammes. Details of the new

offer will be circulated to branches without a recom-

mendation. The offer was made on Monday by the Independent Television Com-

panies Association on behalf

of the 15 commercial stations. Officials of the 20,000 strong

union will meet late this week to decide whether or not to

recommend the offer. ACTT

negotiators met after Monday's talks but failed to

agree on any recommendation.
Both the ACTT and ITCA remained silent yesterday about details of the offer.

ACTT had been pursuing improvements in working and

rest conditions. The Electrical and Plumb

ing Trades Union and the

National Association of Television, Theatrical and

Kine Employees are consult-ing their members this week over an estimated 15 per cent

Perkins to set

up study base

THE Perkins Diesel Engines

Company is to establish a marine engine research base at Wisbech, Cambridgeshire. It has asked Fenland Council for

planning permission to build its

headquarters on the River Nene,

which will include fuel storage

tanks and a ship-to-shore radio

offer made last Friday.

pay offer

By Gareth Griffiths

throughout the country began settling was, however, rejected leaders are under strong presindustrial action this week. ... yesterday by Mr. Anthony Frods- sure. as a result of conference Mr. Tery Duffy, president, said ham, director-general of the decisions, to fight for the claim that reports were being received for many firms nationwide tion. He called upon kir. Duffy

A national overtime ban

but also other elements of the to demands from employers he Confederation of Shipbuilding was issuing a solidarity call and and Engineering Unions' had every reason to believe this demand—including one hour off was being followed. He was the working week this year.— also asking member companies The AUEW executive yester to explain to their employees day granted exemption from the full facts of the dispute and

they included employers in The Confederation is seeking. Manchester. Birmingham and in addition to a £80 per week three in London he would not national; minimum craft rate and an hour off the working meet the claim. We have got to rises of up to 23 per cent.

and conditions claim on The suggestion that com-offered to raise the minimum engineering workers panies were breaking ranks and from £60 to £70, the union

throughout the industry began on Monday and the first of a series of national one-day strikes starts next Monday.

Mr. Duffy said yesterday that the overtime ban was already biting and would be hitting inefficient employers more than the efficient. He expected 100 per cent support for next week's

"If we are going to prevent an exodus of manpower from the engineering industry it is incumbent on all employers to engineers who are to get staged

Amalgamated Union of "If it were not for the holiday week, two days extra holidays make a breakthrough," he said.

Engineering Workers claimed period I would anticipate many and a common implementation more employers applying for date for the new agreement. The suggestion that companies the pay and conditions claim on which engineering workers.

The suggestion that companies the companies of the suggestion of the suggestion that companies the said.

The suggestion that companies the said of the suggestion that companies the suggestion of the sugg "rotation of misery" could begin on August 8 if the Electricity Council and the unions do not reach a settlement at pay talks on Friday.

Mr. Tom Crispin, TGWU national secretary, said: "We are recommending that the action should take the form of area strikes on a geographical basis. But we would take account of the need to maintain essential services, such as hospitals." Areas would be hit on a daily or longer basis and by rotation.

hir. Crispin said any offer would need to match the in-crease given to the electrical

Times workers' decision will take at least two weeks

BY ALAN PIKE, LABOUR CORRESPONDENT

THE NATIONAL Society of chapels would present the peace Allied Trades objected to officers which could affect air Operative Printers, Graphical formula, agreed between report claiming that their and Media Personnel is to national union officials and union's "tight grip on recruit-circulate copies of the return management on Friday night to-work proposals at Times with its toughest tests.

Newspapers to its 2,500 mem
Mr. O'Brien, announcing that after the editor refused a the formula would be given and the control of the different than the different that the editor refused a formula would be given and the control of the c and sea travel will be announced today by a civil service union. The action, in protest at staff cuts, is likely to include a workto-rule by the 17,000 Customs and Excise members of the bers at the company before they

vote on them.
Mr. Edward O'Brien, the Society of Civil and Public Servants. It is expected to last for union's national assistant secretary, said yesterday that a report that the proposals had Union officials claim that the Customs and Excise Department already been rejected by leadis planning to cut its staff by about 1,800 this year, and the review of Civil Service numbers ers of the union's chapels (office sections) was "absolutely unirge." A decision on the formula would be taken by now being undertaken could in-NATSOPA members and, because of the large numbers ● The Glasgow branch of the Civil and Public Services Assoinvolved, this could not be conciation at the headquarters of the Department of National Sav-ings yesterday rejected reported cluded in less than about 14

The union wants all its Times Newspapers members, who along with other employees were dismissed after the company suspended publication last November, to see the proposed peace formula before they vote on it at chapel meetings.

to all members, said that "any speculation or distortion of the situation could only be described as harmful and detrimental to the best interests of of News Group, which publishes decide to seek changes in the proposals and ask NATSOPA officials to present these to the management.

The formula-which would Graphical Association.

It has always been accepted day's edition when members of labour system in that some of the NATSOPA the Society of Graphical and manning levels."

Mr. O'Brien, announcing that after the editor refused a the formula would be circulated request from a meeting of SOGAT members that

2,500 NATSOPA members " at the Sun, sent a telegram to Times Newspapers, NATSOPA SOGAT—with copies to Mr. chapel officials will meet to consider the peace formula today, retary, and Mr. Len Murray, It is possible that they will TUC general secretary—comdecide to seek changes in the plaining that the newspaper had been short-staffed on 111 nights out of 125 since March.

Mr. Bill Miles, a national official of SOGAT, said yesterlead to the reinstatement of dis- day that if there was a shortage missed staff once it had been of labour in any national news-accepted by all unions—will paper office including The Sun, also be considered today by the the union was quite willing to national council of the National talk to the management about an agreement to provide proper The Sun newspaper lost more manning levels. "We would be than 2,300,000 copies of yester-day's edition when members of labour system if we get proper

Magistrates courts face

side London may have to suspend their sittings because of

to celm TUC fears that all Mr. Colin Jeeves, president industrial action will be of the 4,500-strong association, threatened by allowing em- said his members would take Mr. Colin Jeeves, president "We are not suggesting that suspend hearings or be unable the right to picket peacefully at to sit because of the staff action.

> There is also a promise of a reference to the Clegg Commis sion on comparability with the findings to be implemented in full by next January. The settlement was due for agree-

ment on July 1.

A meeting of both sides at the Advisory. Conciliation and

SE England

THERE IS a "vital" need for more industrial development in south-east England, says a South East Economic Planning The council says there is now "a much weaker case for holdregion than ever before."

PILKINGTON refused yesterday to improve its pay offer for 8,000 process workers. A 24-hour strike by the workers is expected to go ahead next Tuesday. Officials of the General and Municipal Workers' Union, which represents the workforce, have warned of the possibility of an indefinite

BY OUR LABOUR STAFF

stands

firm on

its offer

Pilkington, the UK's largest flat glass manufacturer, said production would be halted during the strike at each of the sites where the General and Municipal was recognised. These included St. Helens, Doncaster, St. Asaph in Wales and Glasgow.

The company said it was dis-turbed that "contrary to cus-tom" there would be no safety cover provided during the strike. Fire, ambulance and maintenance personnel would

not be working. The process workers rejected by three to one an overall offer of 15 per cent in a deal similar to that offered to craftsmen and white-collar staff. The proposed increase on basic rates of 11 to 12 per cent was unacceptable.

The company said no worker would receive less than 11.5 per cent on basic rates. The weekly flat wage for the lowest paid employee would rise from £63.52 to £70.82. Pay for a typical shift worker on an average of five hours overtime would increase from £105 to more than

Pilkington argued that new shift rates fixed earlier this year, together with a new #4 pro ductivity payment, would lift the total wage bill for process workers by 20 per cent.

Lloyds judgment reserved

LORD DENNING. Master of t Rolls, has reserved judgment a pension scheme test case ov a bank's alleged contravent of the Equal Pay Act and Treaty of Rome.

Lioyds Bank took the case the Court of Appeal after employment appeal tribu found against it last Novem in a case involving two wor bank clerks,

FROM 1st AUGUST

Best ever investment from Northern



=15.36%

NEW SYEAR RA INCOME SHARES

*Gross equivalent where basic rate income tax is paid at 30%

A new share producing exceptionally high interest for the 5-year investor. The rate may vary, but will be maintained at 2.00% above the prevailing Preference Share rate. Also available from Northern Rock are 2, 3 and 4 Year Term Accounts-all paying extra interest. Minimum investment in Extra Income Shares is £100, maximum £15,000 (joint accounts £30,000). Enquire now.

NR Northern ROCK It's everyone's Building Society.

Member of the Building Societies Association. Authorised for Investment by Trustees. Branches and Agents throughout the U.K. Assets exceed £500 million.

> CHIEF OFFICE: Northern Rock House, P.O. Box No. 2 Gosforth. Newcastle upon Tyne NE3 4PL Tel. 0632 857191.

City of London Office: Stonehouse, 128/140 Bishopsgate, EC2M 4HX. (01 247 6861). Scottish Office: 27 Castle Street, Edinburgh EH2 3DN (031 226 3401).

Prior says reforms 'no threat to TUC'

proposed trade union laws were a "major incursion" into unions' rights.

But he made it clear that the Covernment would act to limit picketing and extension of the closed shop "in ways which have given rise to widespread public concern."

putting forward the proposals if they did not, he told Mr. Len Murray, TUC general secretary. in a letter answering the TUC response to the proposed laws: Mr. Patrick Mayhew, junior Employment Minister, said in a speech in London yesterday that the Government was not "seeking confrontation" with the unions.

In his letter to the TUC, Mr. Prior said: "I am surprised the TUC general council should regard these proposals as other than 'limited' compared with the legislation on industrial relations carried by previous administrations of either party, and notably by the last Labour Government."

It was true - as the TUC stated - that the Government was reviewing trade upon im-munities, particularly over "secondary" action.

effectively and responsibly." the southbound tunnel.

Perkins marine engines are exported world-wide and it has bought a 57 ft motor cruiser as bought a 57 ft motor cruiser as part of a £6m research programme to enable engineers to monitor engine capabilities. be remedied.

MR. JAMES PRIOR. Employ—Mr. Mayhew, in a speech to selected industries action by ment. Secretary, yesterday the Society of Civil and Public members of the Association of rejected the TUC claim that the Servants in London, aftempted Magisterial Officers from today. ployers and others to sue for breach of commercial contract through strikes or other action.

your place of work should be removed, nor are we creating There would be no point in any new criminal offence beyond those which already exist," he said.

"We intend that the liveli-

The Government was not plan- restructuring. ning to outlaw the closed shop but future closed shops would need the "overwhelming" support of employees before they could be introduced, and existing employees would be pro-

Bid to speed up tunnel traffic AN EXPERIMENT on improv-

ing the traffic flow in the Blackwall Tunnel is to start on Mon-The proposals were part of day, the Greater London wider approach to get the Council said yesterday. For country moving again with a three weeks, northbound traffic better balanced framework of of under two tons heading for legal rights and obligations north of East India Dock Road within which unions can operate will be able to use one lane of

intended to be directed at par- long delays to northbound ticular problems that needed to traffic during the morning peak ing back development in the

clerical action MAGISTRATES COURTS out-

selective action, but no fullscale walk-out was planned. Some courts might be forced to One of the options most likely to be introduced was a work-torule. Three-quarters of the members are clerical and administrative staff, and the remainder sit

The local authorities have hoods of workers not connected offered a pay deal worth about with the dispute shall be 12 per cent, with 9.4 per cent protected."

as justices clerks' assistants.

Arbitration Service last Thursday failed to produce an agree ment. Pay talks collapsed on July 20, and the local authorities say they cannot improve their offer. No further talks are

industry plea

Council report, which will be sent to the Industry Secretary.

COMPANY NICES

ARAB INTATIONAL BANK

FLOATINATE NOTES IN For the six months from 1st list, 1979, to 1st February, 1980. The Notes will carry an interest bits on the relevant interest payment date, 1st February, 1980, age Coupon No. 3, till be USS80.06 per USS1,000 Notes.

UNION DES SANQUEASES ET FRANÇAIES-USAF 92521 Newtur Seine—FF Franc

NATIONAL COAL BOARD
U.S.S 8°5 GUARANTED BOY
1987
S. G. WARBURG & CO.
Announce that the first instalmol
bonds for nominal value
(or redemotion on 1st Septer.
1979). for redeminion on 1979.
1979.
U.S.595.000,000 nominal rill remain outstanding after 1st Sm-

U.S.s outstanding person in outstanding person 1979.
30, Gresham Stroet, London EC2P 2EE.
1st August. JARDINE JAPAN INVESTNIT

The net asset value of shares lardine Japan Investment Trust Limit 85 st Soft Jane. 1878; was 180.5 to per share and the share share and the share the share and the share the share and the share the sha

THE GREAT NORTHERN TGRAPH
COMPANY'S HOLDING CPANY
LIMITED, OF DEMM
The Ordinary General May 4.11 be
held at the Company's Official Codenhapen on Monday, the 27th Aust 1979.
at 500 p.m. AGENDA

held at the Company's Official Configuration of the Company's act of the

7. Election two auditors for the current year.

10th August. 1979, the From the proposals to be subapends the General Meetings the amenda of the General Meetings the amenda and the auditors' report amendations and the auditors' report amendations and the auditors' report amendations and the auditors' report of the shareholt at the Company's offices of the Confect of London, from view's Place, not later than five the Company of the Started to vote at the Company of the Started Theory of the Started meeting of the Started

JUGOBANKA UNITED EANK FLOATING RATE NOTES DUE 1983

WEST RAD CONSOLIDATED
MIES LIMITED
GRECOGREG In the
Republic South Aircs:
COOM No. 96 HOLDERS SHARE WARRANTS

HOLDERS. SHARE WARRANTS
TO BEARER & Informed that they
will, on or for the 10th August.
1979, be paids 277-550 per share,
vie. 3.85584 the amount declared
per share 10.05783755 being
South Arked nan-resident share
halders tax of 8° against surrement
Coupon Note.
Coupon Note.
Coupon Note.
Coupon be deposited for
THREE CLEARDANS for inspection
before paymentall be mader—
in Lordon Shar ona Viestminster
Eark Clear on Viestminster
Eark Thoological Coupons
Throoping Avenue. E.C.2.
19 Paris alcost ou Nord. 5°
Boulevariaussmann.
Paris (92)

Paris (9e). In Sesie 31 iss Bank Corpora-

amourt 2.69909 Listing forms the obtained from the National Weetster Zank Limited, at the additional Section 2 of the Additional Corporation Limited Corporation

bodon Secretaries over L. J. Bodons Secretaries over L. J. Bodons

FLOATING RATE NOTES DUE 1983 In accordance with Constition 5(e) of the motes, Notice is hereby given that purfuent to the terms of the Parchase Agenty Agreement between Loeb Rhoades Humber of the "Furchase Agent") and Juspbanks United sart (the "Bank") no Notes have been burchased during the 12 months ending August 1st. 1979.

Further to the Notice of September 3rd, 1978, the 17.485.000 normal amount referred to therein has yet to the Cancelled and accordingly \$19.550.000 Principal Impunt of the Issue remains outstanding as at August 1st. 1979.

By: THE CHASE MANHATTAN BANK N.A. London as Fiscal Aset

N.A.: London as Fiscal Asset August 1st. 1979. JUGOBANKA UNITED BANK
(Formerly Jugobanka)

FLOATING RATE NOTES
DUE 1993
In accordance with the provisions of
the Notes notice is horney given that
for the six months interest period
August 1st. 1979 to February 1st.
1980 the Notes will carry an interest
tate of 12%'s per anoum. The interest
bayable on the relevant interest payment date. February 1st. 1980 against
Coupen No. 5 will be as follows. Notes in denominations of US1100,000: 56.325.00 Notes in denominations of US\10.000* \$632.50 Notes in denominations of US\1.900. By THE CHASE MANHATTAN BANK, N.A., LONDO!! as Fiscal Agent and Agent Bank Quest 1st, 1979

MORGAN GUARANTY TRUST COMPANY OF NEW YORK Fissal Agent ART GALLERIES

Dated August 1st. 1979

INSILCO OYERSEAS CAPITAL

CORPORATION N.V.

GUARANTEED FLOATING

In accordance with the provisions of the above Notes, Morgan Guaranty Trust Company of New York as Fiscal Agent, has determined the rate of interest payable with respect to Ccipon No. 19 on Thursday, January 51%, 1980, to trucive and a quarter pay cent (124%) for annum.

BLOND FINE ART, 33, Sackville St., W 1, 01-437 1230, MAXWELL BLOND, Paintings and Watercolours, Until 4 Aug. EROWSE & DARBY LTD. 19. Cork St., W.T. KEITH GRANT-RECENT PAINT-INGS. "A WINTER JOURNEY."

FIELDBOURNE GALLERIES. 53. Queens Grove N. W. B. 586 1600 RODNEY BURN. R.A. Ejfligth Birthday Exhi-bition Lr. GALLERY. Contemporary Artists of Life English School FINE ART SOCIETY 148. New bond SIW 1 01-629 5116. SUMMER 6XHIBITION AN WORKS UNDER ESCO
GALERIE GEORGE, 98-98. George Street,
W 1, 01-925 532. Fine 19th and 20th
Century British & European oil paintings,
watercolours and yeaphics at keen trade
prices. L100-£2.000. Mon.-Fr. 10-6. AMILTONS. 13 Carlos Place. Nr. Grosvenus Sauare. W.1. 489 9493/4. A mixed exhibition, including the work of Gino Hollander. Ellet, and Daves. Decorative pictures at reasonable princis. 9 30-5, 30 10.00-1.00 Saturday. 2nd August-21st August, 1979.

LEFEURE GALLERY, CONTEMPORARY PAINTINGS, Vicaldy 10.5, At 30, British Street, London, W.1, Tel. 01-493 1572.

LEGAL NOTICE

THE COMPANIES ACT 1948 NOTICE OF APPOINTMENT OF L'QUIDATOR

Nature of Business

Court Liquidator's Name Liquidator's Address

18. Boston Place, London, NV/1 EHY. High Court of Justice WALTER WARD with Committee of Inspection 55 Mount Street, London, WIY 5RE.

RESIDNTIAL PROPERTY

Andro Notion & Co. EATON ACE

Ideal Businessmalpmpany Pied a Terre. Decorated high standard on 1st Floor of elhr Bidg. Dis. Bed., recep., smid pining Rm., k & b. Lease: 31 £75,000.

BELGRAVIA

EATON SQUARE

EATON PLACE Ponthouse with superb views over Square, 4 Beds., 2 Bain., 3 recep., Kry8 last Rm., also Stan/Guest Barn, Sep. shower Rm., Drawing Rst with Bod. Recep., & 3 b Lift, Caretaker, C.H. & C.H.W. Lease: 10 yrs. £125,000.

For das of these and other London Properties for Sale and Rentals apply:— 9 Milner Street, Qsea, 5.W.3. 01-584 4501. Also at 64 Princedale Road, Kensington, W.11. 01-229 8874.

UNSPOILT

MENORCA Binibece Torret. Lovetront line 2-bedroomed apartme in ideal situation overlooking p. Good letting potential Five utes walk sandy beach of Binty. Price E18,700.
For this and other preties consult the specia

BINIBELLA L

36 Cornwall Gardens, Lon, SW7. Tel: 01-937 407410.

ADDISON PLACE. W.11. Sweet Victorian cottage in popular Holland Park with patin garden Recept dume from kit. Wishing machine, man bath, 1 other, 1 sale, bed, Furnished or activity furnished. Company 12, 1-2 years.

LT10 pw. Ring 603 9275

GARWAY ROAD, W.2. Attractive Int 3 follow misonette with 2 dick. 6 1 sale, bed., spatious recep, kit. dincr. bath, see, WC. washing machine, Reals from LT10 to E400 pw. Company, holiday LT75 pw. Marris Persons, 229 9769 or 977 e822.

WESTMINSTER DIVISION ELL. Bright thra floor flat in purpose-built block with 22 hour unformed porterage, Rec. bed., but, bath, CHW. CH. Excellent decirative order Lease 58 years decirative order Lease 58 years (AZ-590). Ring 01-828 0520.

W.11. Furnished rationers flat to left of rooms 1 and 0 170 cm. Tel. 11-10 out 50 cm. 11-10 o

Mary Control of the C

leavers and the long-term unemployed. A report published yesterday by the commission, on the first their personnel and education wide regional variations.

Year of its youth opportunities departments provide important programme, and special tem-perary employment programme, criticises private sector employers, particularly in manufacturing for failing to partici-pate fully in the scheme

Commission is to make a new

Mr. Richard O'Brien, commission chairman is to approach the chairmen of the major companies which have so far been reluction to join the schemes.
Only about 10 per cent of combanies partispete in the FOP are large well-known.
Some such as GEC ICL and
Marks and Spencer, are picked

participation, but officials said if unemployment rose towards year, though the commission known companies to provide doing nothing or very little.
work experience for school- The commission wants larger

effort to persuade more wellcompanies to participate because they offer more varied work experience and because oack-up work.
The commission is confident back-up work.

that in spite of cuts in finances imposed by the Budget and the Government's insistence on staff savings, which could lead to cuts of 10, 15 or 20 per cent, the future of the YOP is not in doubt. Officials have less confidence about the future of STEP, though, which could disappear should a 10 per cent

division.

careers service.

ivision. months' work for long-term estimated at £63m for the Mr. Geoffrey Bolland, special unemployed adults, gave tem- and £10m for the STEP.

that many others are either 1.7-2m this year, the rate among admits that less than half of The commission's report notes

facturing, and for the Civil and The commission, though, was determined to expand the YOP, largest Civil Service union, which last year helped more which has prevented Governthan 162,000 young people ment departments or agencies without jobs to get work ex-

cut be imposed on the com-mission's special programmes months' work for long-term estimated at £63m for the YOP

More urged to join work scheme BY PHILIP BASSETT, LABOUR STAFF THE MANPOWER Services out by the commission for their programmes director, said that porary jobs to 19,700 people last

200,000, that figure disguised for a year.

perience. The expansion would allow it to help about 210,000 schemes, not taking into account

school leavers could rise three thee taking part came frm its The commission wants larger times as fast. Though the num- priority groups of 19- to 24-yearbers of school leavers unem- olds unemployed for six months. ployed was down at about and those over 25 unemployed In Wales, Scotland and the full trade union support for the North, for example, there were programmes, except for local 120,000 unemployed level difficulties which have con school leavers and only about tributed towards the lack of 7,000 vacancies notified to the manual opportunities in manu-

MANAGEMENT

The "spiral staircise" leading to Japan's top jobs

BY SANDRA SAMAI

SATOSHI OKUBO's appoint- likelihood of being either fired years, depending on thinatual ment last year to the most im- or hired elsewhere, he could portant financial job at Honda easily succumb to complacency Motor of Japan came after a and boredom. lifetime with a single company. Yet his professional background acute among the Japanese, sugwas anything but narrow. From gests Nobuo Kitajima, a Honda the time he joined Honda from general manager who believes university in 1955, he worked in that his countrymen are short sales, accounting, manufacturing sprinters, not long-distance and, for 15 years, in personnel, runners. A man who has held serving in finance for only a short time before his latest

Okubo's through Honda, up to the position of managing director for finance, would be highly unusual in a Western company. But in Japan it is a typical example of the national system of management development. Unlike Western corporations, which may sometimes shift a promising executive from a line job to a related staff job, and then back again. Japanese companies make a point of exposing their managers to the entire range of corporate functions.

So well-established is this circuitous career route to the top that it is common to hear Japanese managers refer to the spiral staircase "-in contrast the strictly linear Western metaphor, the ladder.

The job rotation system accounts for many of the strengths as well as the weaknesses of Japanese business. For their first one or two years, the new graduates may be worthless," says Masaaki Imai, president of the Cambridge Corporation, a Tokyo management consultancy. "But after 10 to 15 years, they become the solid foundation of the company."

The Japanese believe that the practice belos to create company men who have the interests of the entire organisation at heart rather than those of their individual departments. It also helps transform the company into a community whose members are likely to know each other personally and

egalitarlan Japan. The job rotation system also overcomes many of the disadvantages inherent in an executive is virtually tied to

The danger is particularly the same position for more than five years will defend the status quo, while a newcomer can criticise and seek to improve what he finds. Kitajima believes.

Western critics say that the system has major drawbacks. common complaint was recently voiced by the manag-ing director of a small English company; in the decade of his business relationship with Mitsui, the glant trading house, ne had had to work with a series of strangers. Some of Mitsui's Japanese customers have also complained about the continual turnover of trading agents: this has forced the company to modify the mandatory threeyear rotation scheme that it

inaugurated several years ago. Other Westerners complain that the system breeds generalists at the expense of needed William Royce, a expertise. ternational, the California research and consulting group, says "the abborrence of specialment makes it virtually impossible to give good staff members the training and experience necessary to become real experts at any particular function." As a result, says Royce, Japanese companies have, to their cost, neglected long-term

Docile

Certainly the system depends that unquestioningly accepts its ployee's first day when, whether he able to work as a team, a or not he has a university dip-fundamental objective in loma, he is often required to put in time at a relatively menial production job. Honda that period of servitude typically lasts for a year before the young men is transferred to his next job, usually of the For the following 10 to 20

planning and financial analysis.

they are promoted at ugh! the same time and 'ceiv approximately the samalar

Recent economic pur have begun to slow thered march of the classes;rosthe-board automatic prtions are discontinued earlied the most promising execut are earlier in their careernose who are left behind to specialise within a depient. But at least for the firstade of each employee, and ond for rising mers. rotation still remains thile.

Mitsui, while begins to discriminate among emees at the assistant managevel, applies job rotation to its younger cutives as zealously as does da, shifting the average indual every three years. As aast Japanese companies, sui usually insists that its st some time in personnel, te-partment held in far her esteem in Japan than ine

scheme, the personnel det-ment at Mitsui conducts a ttion study each November, ig a computer on which arecorded each employee's pritions and duration in every. If the computer turns up soone who has been in one pi for more than five years, th is an investigation to determ the cause. This tracking syst also ensures that employees: some remote area of the wot informal means of employee where Mitsui is doing busines: education, Japanese companies

Even companies without su also invest heavily in formal porate machine. The levelling formalised rotation programm education. still try to create generalis potential managers in Japan who are capable of appreciatake jobs immediately after ing the company's overall it graduation, the tradition of life terests. Ishikawajima-Harimemployment encourages com-Heavy Industries, the shippanies to invest in the postbuilder, steelmaker and machingraduate education of tools manufacturer, has, sincemployees, to an extent rare in 1973, operated an unusualthe West. training scheme to expose its, The short-term costs to a distance between two points is engineers and other specialists; company can be substantiai. usually a crooked line, the to the points of view of other lippon Kokan, the steelmaker. spiral staircase seems likely to

The scheme is based on the and construction firm, allocates of the company, the gduate kyoto, loosely translated as an annual Y200m (£412,000) who entered together thithe deputy headmaster of a for education and training, of same "class" may well trang school. (IHI's president, who which half is spent overseas. through the company stel originated the scheme, is equivalent in an average year it sends a while they may be state lent to the headmaster himself.) select 15 or so employees abroad among several depanent in this method, IHI's 3,000 for a minimum of three months, middle managers are divided at a cost per man of Y2m. The into groups, with each group employees, primarily managers or assistant managers who have containing a judicious mix of worked for NKK for at least engineers, administrators and three years, study specialised others from IHI's shipbuilding, pulp and paper, engineering, subjects selected by the firm, cement and other sectors of In England, NKK executives activity. There are 24 groups in have studied international all, each led by a kyoto who is a finance and civil engineering. In a typically Japanese blend department manager or higher.

or, in this case, a clash-of Each group annually selects a tradition and modernity, NKK's subject relevant to IHL, such as advanced education programme is hampered by the firm's rigid overseas procurement or inhouse engineering ability, and at its monthly meetings dishierarchical system. While the company would like more managers to acquire masters' ways to make improvements. There are also discusdegrees in business administrasions on more abstract themes. tion, the more senior employees such as "What is a Japanese?" who would normally be sent and sensitivity training. While the kyoto conducts the meetahroad lack sufficient knowledge of English. ings, company executives are

sometimes invited to address the

group in their particular fields

of expertise, such as exchange

Massive

control or combating absentee-

Through such groups the com-pany hopes to achieve a more

general outlook. It believes this

attitude has become more impor-

tant as IHI shifts from tradi-

tional line-and-staff management

to project management. Last year, for example, IHI com-

pleted a massive turnkey project

for a Brazilian company—a huge

pulp-making and utility power plant that it constructed in its

shipyard in Japan and then towed up the Amazon. The project called on every division

of IHI except the aircraft

kyoto system constitute a more

hipbuilder, and engineering

Although

But it would violate the pecking order to educate the younger men who have a better grasp of English, explains an NKK personnel manager, and in any case, the young men would become frustrated when they returned - as hierarchy dictates they must - to junior

In the long run, the substantial investment pays off because there is little turnover among the best-educated and seemingly most marketable employees; unlike Western companies, Japanese firms do not bid for expertise. Of the 50 engineers and scientists that NKK has so far sent to study abroad, only one has left the company—and he joined a university faculty, not a rival firm. Senior managers at NKK admit that, if employee turn-

over were to be significant, the company might have to make provisions to recover its education costs. In fact, serious erosion of the practice of life employment would arguably lead to an evolution of the job rotation system into a more Western-style approach to mandevelopment. But agement genuine change takes place slowly among the Japanese and, in a country where the shortest

Multinational approach to cutting costs

BY ERIC SHORT

network," the workings of

which are explained in a book-

A multinational insurance

The system works as follows:

tains annually the profit made from a particular client from

the insurance placed with it.

This can arise from a variety of

The profit is then rebated to

A spin off from this set up is

that multinationals can effec-tively transfer funds from one

country to another irrespective

of the exchange control regula-

MPA booklet warns that the

governments are aware of this

implication in avoiding ex-

change control and that block-

-available to both the company

and its employees through using

The recommended maximum

condition of the greenhouse.

Using a timer and/or a thermostat, up to six units can

be connected in series to accom-

modate larger areas and give

Advanced design feature of

more uniform distribution.

Pensions Association

THE PROVISION of life and associated insurance benefits by multinational companies for their employees throughout the world is now an accepted feature in the overall remuneration package. Most such companies spend consider-**EMPLOYEE** able sums in their global busi-BENEFITS ness and in many cases the insurance in a particular country is placed locally without any connection or overall pattern

politan

(International).

tries. And in so doing the bined now offers multinationals companies could be spending the opportunity to cut insur-

ance costs. This co-operation is more money than is necessary. known as a multinational in-The additional cost arises on surance management or two counts, the first being from the restrictive practices imposed by authorities on their country's insurance industry or let published by international benefit consultants, Metrocommercially imposed cartel operations.

with that placed in other coun-

In the UK, insurance companies are completely free from government control regarding the setting of premium rates, consequently life premium rates are very competitive and companies buying life insur-ance generally get a good deal.

Rates set by legislation

In contrast, the premium sources death claims being rates for certain types of insur-less than expected, lower ance business are fixed by legis administration expenses than lation in a number of European assumed, higher investment in-countries. Competitive premium come than projected being countries. Competitive premium come than projected rates and profit schemes in the among the main sources. form of bonuses are unknown.

The original object of this a pool-known as an inter-tariff system was to protect national dividend — and each policyholders. But with improve company can usually receive ing mortality and historically this rebate in a particular curhigh interest rates, insurance rency. companies have been making substantial profits on life business which have not been returned to the policyholders.

The second additional cost arises because benefits of scale are not realised. The unit cost of buying life assurance falls with the increase in numbers of employees being insured. If a multinational has only a small ing legislation could well appear number of employees in a par- at some time. ticular country, its insurance: Other, not insignificant, cost costs are assessed on that par- savings and benefits are also ticular number, and no account is taken of the total number of employees worldwide.

However, a development in example, get cretit for its total recent years where the opera- number of employees worldtions of insurance companies in wide. The insurance company

is prepared to cost the cover on the basis of the total number of employees, not just those employed in a particular country.

The higher the number of employees, the more relaxed are the underwriting arrangements. Thus an employee with poor health could get full cover whereas, in a smaller pool of employees his cover could have been restricted. For example, if he works in the UK where only 25 persons are employed the cover he could get without evi-dence of health is likely to be limited to £50,000, but if there are over 250 employees worldwide, he could get up to

Arranging network insurance can also simplify the transfer of benefits when employees are moved from one country to another. Full reserves can be A multinational insurance transferred, underwriting will arrangement is effectively an be on the same basis and, most ance companies in the various sion can usually be made in one countries which pool their in chosen currency. So if a life surance results in -surance results in respect of a national dies before retirement while working in Holland, the pension to his widow and dependants can be paid in sterling.

Greater control

Finally, operating through a network enables the parent to maintain greater control over the benefit structure of the group. After each review period —usually a year—the network secretariat supplies the parent company with an account showing the financial transactions of each of the plans covered by the network. The local cost breakdown included in this account details premiums paid, the expenses charged and the local plan's contribution to the inter-national dividend pool. The parent company can therefore have immediate access to details of all plans of operations covered by the network.

"A Study of Multinational Insurance Contracts in the contest of Employee Benefits, from Metropolitan Pensions Association ... (International). Haymarket House; 26- Haymarhet, London SWIY 4SR (telephone 01 838 7411)

Termical News

EDITED BY ARTHUR BENNETT AND TED SCHOETERS

@ COMMUNICATIONS

Speeding the news to site

FACSIMILE, WHICH will be an essential part of the electronic office, is a major development area for a number of leading ASSEMBLY companies. Siemens has gone one better than its rivals with a new machine for unattended reception which incorporates an ink-jet printer to give noiseless ink-jet printer to give noiseless the new mal paper fed from a roll.

receiving end. Documents for transmission are scanned optoelectronically.

At the receiving end, a 12nozzle ink-jet recorder prints the Mini Metro are being supplied consumption. Efficiency ("shaped" into characters as they pass through appropriately modified electrical fields.

three-minute (A4) speed are correct loading before assem-recorded at a scanning density bling them into the hub. The of 3.85 lines per millimetre. In machine that Hounsell de-the two-minute mode running, veloped was a four-column twinsity is 3.08 lines/millimetre. For a "daylight" of about 15 inches, typed messages, very satisfac- giving good access to the tools. tory results from the legibility aspect can be obtained on two-

minute running.
At the end of each transmission run, the paper carrying the the inner and outer bearing race incoming message is automatic- into the hub, the second probes ally extended to the next larger and assembles the oil seals and size, A5L or A4, cut off and spacers round the bearings.

Stemens is offering this equipment to meet situations where availability at all times is essential, such as in the operations of utilities, technical support offices and spare parts stores, is to be marketed by Weilman Failure to contact a correspondent due to flexi-time or difference in husiness hours between countries and con-

Press for

which will electronically check brewing. bearings and oil seals before The new equipment will assembling them into the front allow costs tribe cut both in hubs of the new Austin Morris capital installtion and in fuel

bling them into the hub. The Use of twin rams meant that two different operations could be performed in one cycle: while the first probes and assembles

Automatic station identifica-tion, stack feed for transmission, the components when they are internal V24 interface and a key properly loaded. If no contact switch for barring the "send" is made, the rams will not function are options that can be operate and a fault is indicated to the operator. **EXPORTERS!** YOU NEED OUR

INTENSIVE FRENCH COURSE! Keep your competitive edge in the international marketplace by improving your use of foreign languages. The Language Course, "Intensive French" will improve your linguistic ability in the shortest possible time.

It is being held at University College, Cardiff, from Monday, 24th September to Friday 28th September, It will consist of 25 hours of intensive study and conversation under the direction of qualified staff, helping you to communicate effectively!

Brochures and reservation details available from: L.E.D. PROFESSIONAL DEVELOPMENT COURSES LTD. 3 CASTLE STREET, CARDIFF, TELEPHONE 0222 394136

@ MEATING

tinents is one of the problems the heating of solutions in neatly solved by this typewriter containers by the direct gas sized machine. Further from firing of small-ire immersion sized machine. Further from Siemens on 09327 85691.

Burner designis such that it combines the diciency of gas firing with the compactness of

steam heating. Common to any industries, the heating of its and tanks is generally by leans of steamfired immersic tubes or gas fired natural dought immersion tubes. Typid applications would include degressing and HF 2050 is attended at the transmitting station and can function in either mode at the TWIN RAM hydraulic presses and various operations in

the two-minute mode running, where equipment at the receiving end permits, scanning dentities a 200 lines aming the stroke of 8 inches and the receiving end permits, scanning dentities a 200 lines aming the scanning dentities are a scanning dentities and a scanning dentities are a scanning dentities are a scanning dentities as a scanning dentities are a scanning dentities as a scanning dentities are a scanning dentities a

generally at over-capacity and service yould not meet throughout he world, current Western requirements. news is 0.1 companies being established to make machines for complett new processes. However, such is the situation in weaving hat there is clearly a market for simple, robust Small probes built into the and inexpensive machines if they are offered with a distinct tive advantige.

A gripper shuttle loom has been developed in West Ger-many by a fompany called Nen-tex International GmbH British representative: Schultheis Systems (UK), 10 Eden Place, Cheadle SKS 1AU. Tel: 061 428 4271). The main aspect of this high speed weaving machine is its extremely low price, compared with equipment intended for similar weav-

were made to market it in the cent efficiency. West, but there was virtually Unlike many shuttleless no acceptance as it was ielt that machines the MSL produces a West, but there was virtually

WITH textis machine building was inadequate and that spares fifters the However, the Ncotex MSL STATURE
loom is based plargely on the FIGHT FOR energy conserva-

Russian concept. It has been built with base components from the USSR Hungary and Czechoslovakia, wille the more critical elements such as reeds, healds, temples. Prsion bars, etc., are either West German in origin or from the US. origin or from the U.S.

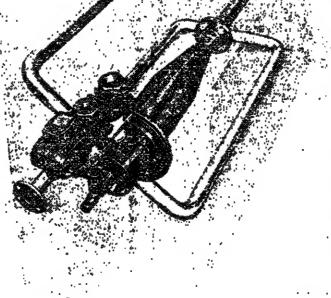
There is a guarantee of support and service that now makes the new loom of interest to Western weavers. The introduction of the MSL -Micro Shuttle Loons to the trade recently general in much interest and it was described as

the "Volkswagen" of seaving. It is being built in one, two ment interided for similar weaving speed; at matching widths.

The concept of the loom is extremely interesting.

Some years ago, a loom designated STB was developed in the Soviet Union and attempts about 742 m/min at 100 per were made to market it in the

the reliability of the machine cloth with a tucked in selvede



relaimed efficiency of 80 per cent. reduce the size of the equip-Five sizes of burner have ments to meet the needs of this been developed with ratings from 125,000 to 1m BTU/nr Wellman Selas is a subsidiary (appreximately 50 to 300 kW) of the Wellman Engineering modified electrical fields.

Mind Metro are being supplied by John Hounsell (Engineers), sass through appropriately nodified electrical fields.

Mind Metro are being supplied consumption. It is to the steam-fired to the st

VENTILATION Collects and

tion linked to pollution control has been joined by Myson with each need. its new range of packaged inits new range of packaged in-dustrial electrostatic air filters.

Basic specification includes a Beeching Road, Bexhill-on-Sea, 1024 x 8 non-volatile program Sussex TN39 3LG (0424 214291). known as Micronair. There are five basic models

to 5,000cfm at up to 21 inch wg external resistance. Units are DESIGNED to meet the needs in standard in-line formation or of modern systems engineering T formation with a fan box and control where the IEEE bus interposed between two filter concept is being used for interunits.

stage electrostatic filter with choice of cell spacings and integral centrifugal fan all housed in a sturdy industrial They are said to be ideally instrumentation/control systems

back into the workshop.

@ AGRICULTURE Better greenhouse crops RAISING the CO. level in green- range of CO. generators, it is

nique for improving the yield parature of 8,700 cubic metres and quality of many vegetables, of air by 47 degrees C an hour. particularly lettuces, tomatoes, encumbers, spinach and strawgreenhouse area for CO enrichberries, says Heylo Heating and ment is 16,500 square feet. Ventilating, 53 Fleet Street, London EC4 (01-353 8601). depending on the type of crop, required CO-level, and type and

Additional advantages include shortening the growing cycle and being able to bring crops to maturity one or two weeks earlier when prices at market for quality produce can be at a premium. These benefits also apply to growing roses, carnations, freesias, chrysanthemums, orchids, and other flowers and ferns.

Providing carbon dioxide enrichment—and helping to relieve the worsening situation caused.

the worsening situation caused control box. Should the flame by the present shortage of die due to an ignition spark premium grade paraffin—is the company's direct-fired gas heater which will work on town or of ionisation current triggers

Largest in the company's cuts off the fuel supply.

@ ELECTRONICS Micro on a board

and process control applications weighing and batching machine tool control, material handling and security systems, Startronic of Bexhill has introduced the SSC-1, a complete microcomputer on a single Eurocard measuring only 160 x 100 mm.
Although many companies might still be thinking in terms of dedicated logic control systems, Stratronic points out that the need to tailor the cir-

cation can mean that development costs often far exceed the cost of the bardware involved. The idea behind the SSC-1 has been to design a standardised piece of equipment which would suit a wide range of systems

cuits to each and every appli-

simply by programming to meet

control, The unit is for use in

suited to the collection of oil where up to 15 devices can be mist or welding smoke and connected together using the mist or welding smoke and connected together using the cleaned air can be recirculated IEEE digital bus which uses eight data lines, eight manage-Myson Group Marketing, In- ment and "handshake" lines

WITH SMALL scale automation memory which can be supplied in mind such as automatic initial specification and subsequently re-programmed.
An on-card battery backs up
the 256 x 8 read/write memory

the control box which instantly

for data retention during a power loss and a buffered highway allows operation up to 15. volts, giving good noise immunity.

Maximum input/output capacity is 128 lines, and each standard interface card provides along the capacity is the capacity in the capacity in the capacity is the capacity in the capacity in the capacity is the capacity in the capacity in the capacity in the capacity is the capacity in the capacity in the capacity in the capacity is the capacity in the capacity in the capacity in the capacity is the capacity in the capacity in the capacity in the capacity is the capacity in the capacity in the capacity in the capacity is the capacity in the capacity in the capacity in the capacity is the capacity in the capacity in the capacity in the capacity is the capacity in the capacity i

vides eight inputs and eight current drive outputs of 750 mA each at up to 60 volts.

The SSC-1 software meets a wide range of requirements, and program changes can be made either by Startronic or by the

user, employing programming equipment that can be bought. or hired. More from the company at

covering duties from 6.000cfm to 5.000cfm at up to 21 inch was

units. communication, the 8000 series
Features also include solid from Penmark Precision
state controls, heavy duty two Measurement will provide timing, scan a basic 100 channels (1.000 are possible) and provide latching relay output

dustrial Estate, Ongar, Essex to allow the devices to com- Hermitage Road, Woking, traffor Society, 1, Katharine (02776 4311).

Street, Crossdon, Survey.

overall computer control.

Typical bus control in PPM's systems are Commodore PET, Hewlett Packard and Tektronix

For such systems the basic Many new model 8100 would be used, consisting of basic timing/scanning with no display or channel monitoring. The 8000, however, has a user display of selected channel number, clapsed or taking part in FILTECH/79, calendar time display status.

More from the company at

Atlas Copco compressed air systems.

A force you can turn into profit.

Atlas Copco

STORAGE Package for tapes

UP TO six audio tape cassettes can be fitted into a box injection moulded in one piece from polypropylene and now being produced by the industrial division of the London Associa-tion for the Blind Hinged fasteners are integrally

The boxes, which are suitable for both storage and posting, have slots for removable address cards, spaces for names and addresses, for advertising matter and for library reference tabs. Supplies can be obtained from the Association at 14-16 Verney Road, London SE16:3DZ (01-732 8771).

• CONFERENCES Sheet and

THE ANNUAL Conference of The Institute of Sheet Metal Engineering will be held at The Unicorn Hotel, Bristol (October 24 to 26), and will take as its main theme, "Sheet and Strip How to get it right for Processing." The conference is being held in association with The National Association of Steel Stockholders and the British Contract Presswork Association.

Details may be obtained from The Conference Secretary, The Institute of Sheet Metal Engineering, Queensway House, 2 Queensway, Redhill, Surrey RH1 1QS, England. 0737 68611.

has a user display of selected channel number, elapsed or taking part in FILTECH/79, calendar time display, status olympia. London, September display, and a data display if 17-20, 40 of them promise to show products for the first time in the UK and, in several cases.

More from the company at usely lengther supposes. Fil.

As a technological tool of mankind, the unmanned Earth-orbiting satellite is still less than 22 years of age, but it has already revolutionised communications and meteorology, and looks like doing the same in many other fields in the years ahead.

Keeping tabs on the Earth

By Michael Donne Aerospace Correspondent

THE WORD "satellite" first penetrated general consciousness with the launching of the Soviet Sputnik I in October, 1957. Since then, those un-manned Earth-orbiting devices have become almost common. It is estimated that there place. While communications and are already more than 2,400 least for the present the big-gest single fields of satellite activity, the ever-expanding roles of the satellite now encompass two major fields. These are "scientific" satellites. which are simed at expanding man's knowledge in many different scientific disciplines, and "applications" safellites, for a widening range of practical tasks. The latter include monitoring Earth's resources (in the grant ranging from the detection offers of fish shows to discovering new mineral deposits), through to

ficiently well understood and established for the scientists throughout the world, but especially in the U.S. and especially in the U.S. and Europe, to be able to spend more time and money on exploring new applications. The satellite itself has now become little more than a vehicle, into an ever-widening array of micro-miniaturised compononents can be installed to make it do almost anything that mankind wants it to do. Whereas, initially, the size of satellites was restricted also by the ability of launch vehicles to cope, the impending emergence of new launcher systems such as the U.S. Space Shuttle and the European Ariane will enable even bigger satellites to be placed to space, and perhaps even the construction in space that could not be launched from Earth in one piece because of

meteorology (and particularly satellites of various kinds-weather forecasting) remain at communications, defence and others in orbit round the Earth, and that over the next decade well over another 200 will be added to the score, for a wide variety of purposes. Many of these will be satellites for undeveloped countries seeking to improve their own communications links with the rest of the world and to get the benefit of the widespread new technological development that the growing field of satellites

dollars, will all need to be financed. In many cases, of Satellite technology, and its course, governments will be associated communications links amporting the ventures as part

three-satellite communicaground stations can cost anything up to \$150m. There is no reason why this kind of cash cannot be provided by existing the same way as new fleets of civil airliners are already funded. Indeed, a number of

banks and other institutions in

the City of London are already

The biggest single fields of

involved in this business.

actual and prospective satellite applications at present are in telecommunications and meteorology. There can be few TV viewers who have not by now seen pictures of events on the other side of the world almost few businessmen sitting in their offices who have not been many thousands of miles away -without realising the enorméus strides in satellite and earth station technology that have made such developments

possible in recent years.

An example of the pace of development of satellites is Telecommunications Satellite organisation (Intelsat), whose first communications satellite, voice channels or one TV chan-Intelsat-Vs, have an average of

countries.

developments will continue through the 1980s, to the point where it will become possible for business organisations and diately linked by video-phone to customers and others on the scientists in all disciplines to probe the Earth's surface with lasers and other devices to disoil, coal and other minerals, but also to detect the incipient emergence of environmental problems, such as pollution, or even earthquakes, before they can grow to disastrous proportions; and for home TV viewers to get the latest satellire weather pictures or other data at the press of a button.

has been and is undertaken by the Government-owned National Aeropautics and Space Administration. But there has also been organisations to develop in this field, such as the Communications Satellite Corbehalf of the countries that own it, and other more recent organisations such as Satellite Buslness Systems, formed jointly by owned subsidiary of Communications Satellite Corporation) and Aetna Life and Casualty.

In Europe, although many various space activities of their own, including the commercial manufacture of satellites for subscribe to certain pro-

ment schemes. But in other channels. The system is served both scientific studies and appli- grammes, such as the scientific by over 100 locally owned cations technology purposes, the major space developments are entrusted to the European Space

Agency, set up in May, 1975.

Its task is to provide for and promote, for exclusively peaceful purposes, co-operation among European countries in space research and technology, with a purposes and for operational applications. The members are Belgium, Denmark, France, Germany, Ireland, Italy, Nother-lands, Spain, Sweden, Switzerland and the UK, with Austria. Canada and Norway participat-The general budget for 1979 amounts to 570m accounting

units (or about \$684m), with France and West Germany being the biggest individual subscribers at 33.4 per cent and 26.8 per cent respectively. The UK's contribution in 1979 is 11.7 per cent. The biggest single items of expenditure In the U.S., much of the past in the current year are the designed to provide Europe with an independent satellite launching capability, taking 28.6 per Spacelab, the manned orbital laboratory which Europe is developing as its contribution to the U.S. Space Shuttle, taking 22 per cent of the budget.

Since 1972, Europe has spent about \$2bn on space activities both through the ESA itself and immediately preceding such as the European Space Research Organisation and the European Launcher Develop-Organisation, ESA on its formation. While all member states are required to

programme, of the ESA, other ventures are optional, such as the Ariane launcher, the Spacelab and various telecommunicasatellites. The latter are funded according to a formula that enables States wishing to parto choose the level of their contributions freely.

Comparatively little detailed information is available about the use of satellites for defence purposes, but it is known that, apart from normal defence communications, both the U.S. and European nations aiready make considerable use of information derived from satellite surveillance of the Soviet Union and Warsaw Pact countries, and vice versa, and this is likely to become even more significant in future as part of the verification techniques of ballistic missile developments required under the SALT II agreement between the U.S. and the Soviet when President of the U.S., remarked that the value naissance technology alone was many times the entire U.S. investment in all space activities. and this assessment must be even more accurate today. The cannot be ruled out. nologically, it is already pos-sible, but the mutual destructiveness of such systems appears to be sufficient at present to keep the major protagonists

from embarking upon large-

scale development programmes

energy problems, must be the cations are emerging—EXXON, development of major satellite for example, uses satellite data systems that can utilise the sun's energy in space and transmit it to Earth. In recent years, many ideas have been mooted for such developments, but bitherto, their high cost, allied to technical difficulties, have prevented any large-scale programmes from getting under way. As the energy difficulties casting, do not allow for easy on Earth multiply in the years ahead, however, it seems likely that increasing attention will be paid to such developments, and it is not beyond the bounds of possibility that within a very few years some major schemes will be initiated.

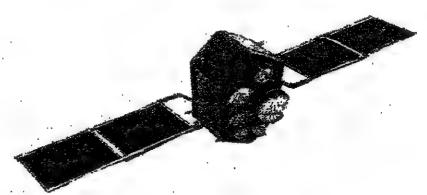
developments over the past few years has been high. It is estimated that several billion dollars has been spent over the past 20 years or so in develop-ing satellites and their associated Earth station technology. But there seems to be little doubt that this investment is now beginning to pay off, and will increasingly do so in the National Environmental Satellite Service of the U.S. National Oceanic and Atmospheric Ad- unexplored. ministration (NOAA), satellite observations of the Earth's out, the advent of the satellite atmosphere and surface are can be summarised as probably already saving industries and government agencies in the U.S. at least \$172m a year, and amount. Satellite pictures and ment in the agricultural

to ride the currents of the Gulf annually in ship operation.

The NOAA report points that other important activities generated information local and global weather forecomputation of cash savings o cost benefits. But the value is believed to be many billions of by improved disaster warnings the of hurricanes, severe thunderstorms and heavy rainfall of impossible to quantify.

The ESA, in a recent study of the cost-effectiveness of space activities, concluded that by companies involved in sate lite and other space wor' amounted to several times th face value of original contract resulting in the creation of nor products, improvements in th high technological content of widening commercial horizon years ahead. According to a for the companies concerned report by scientists in the hecause of the need for interbecause of the need for international collaboration and diver-

As the NOAA report pointed Earth and its environment in many times that history, not only helping to Satellite pictures and save lives and property from other data are increasingly natural disasters, but also con-being used as tools of manage- tributing materially to the tributing materially to the improvement of mankind and Of more immediate signifi- industry and in the fishing to the efficiency of the world's cance, in the light of current industry, and many other appli- economies.



EUROPE'S PRE-OPERATIONAL COMMUNICATION SATELLITE ON STATION

The proven success heralding great things to come

Another major achievement for British Aerospace Dynamics Group,

the ESA communications satellite OTS was successfully launched on the 11th May last year. Completed on time, and within budget, OTS is meeting all its design goals in orbit.

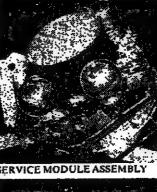
Orbital Test Satellite (OTS) has completed its first year in space. British Aerospace Dynamics Group was the prime contractor leading the MESH consortium that built it for the European Space Agency.

OTS is the pre-operational communications satellite being used to prove the design and system engineering embodied in the European communications satellite (ECS) now being built. The first is scheduled to be launched in 1981. OTS has met and exceeded the performance standards specified and is working perfectly, providing operational experience for European user anthorities. It has also successfully performed tasks outside the original concept by receiving TV signals which can be received by small mobile ground stations and by transmitting TV signals which can be received by small mobile ground receivers. During its first year in space, the versatility of OTS as a TV link has been further demonstrated. It was manocuvred to beam TV 10 Cairo and Rabut where transmissions were successfully received. French TV is now to be beamed to

With 4 wide band channels OTS can accommodate up to 7:200 teléphone circuits, or one channel can handle two TV transmissions. OTS is providing the telecommunications organisations of Europe with practical experience in operational use prior to the commissioning of the two ECS satellites in the early 1980s. Ground data link transmission is also being developed. OTS has a design life of five years but is confidently expected to remain in service beyond that,

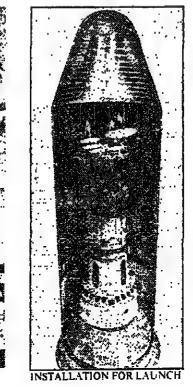
Together with two maritime communications satellites. currently being developed for the European Space Agency, the new space programme represents contracts in excess of £75,000,000 and secures employment for many skilled designers and telecommunications engineers throughout Europe, led by British Aerospace Dynamics Group as Prime Contractor.

British Aerospace Dynamics Group is an acknowledged international authority in communications satellite technology. It has the expertise and the capability to provide regional communications systems virtually anywhere in the world today and is ready to do so.









Complete Regional Communication Systems

BRITISH AEROSPACE DYNAMICS GROUP

Gunnels Wood Road, Stevenage, Hertfordshire SG1 2AS, England, Telephone: 0438 3456, Telex: 82130

CHRISTOPHER

tapes

The rapid growth in the size of communications satellites in less than 20 years in shown in this picture. The U.S. Hughes Aircraft Company's Syncom sciellite of 1963 had capacity for 50 two-way voice channels or one TV channel. Dwarfing Syncom is a full-scale model of the type of spacecraft to be used in the planned U.S. Satellite Business Systems venture, with capacity for 13.900 simultaneous telephone calls. The SBS satellites will provide U.S. business customers with integrated voice, data facsimile and teleconferencing facilities from 1981

Civil applications

resources monitoring " and en-vironmental studies. These are In the iso very wide fields of applications, including such diverse of oceanography. through to navigation, measuring pollution over cities and industrial areas, and helping to determine the location of new mineral deposits. Many of the satellites undertaking these latter task: are known as 'remote sensing" satellites, and already there have been a large number of them, collectively known as the "Earthpet" pro-gramme, including the U.S. Landsat, Seasat and the Nimbus

In Europe, much work has also been done already on this type of Earth observation from space, and plans are being laid to expand it substantially through the 1980s. These include the provision of microwave remote-sensing experiments in the European Spacelab manned orbital laboratory that will be part of the U.S. Space Shuttle Reusable Space Transport programme. It is also planned that the Spacelab will carry a metric camera, a modified Zelss RMK A 30/23 bigh-quality aerial mapping camera, to determine the feasibility of producing small-scale maps from space photographs.

The longer-term plans in Europe for a remote-sensing programme include studies for specific satellite payloads that would be capable of studies into resources, environmental moni-

scientific tasks they undertake, ice and the circulation of currange widely across not only rents) and coastal ocean monitelecommunications and meteo-toring (including studies of rological studies—still the two fisheries and surveillance of oil biggest single uses for satellite; exploration and other activities -but also such things as "Earth on the European continental

> In the meantime, much work satellite. Meteosat-1, images of the Earth and its cloud cover, and distributes them to users of the data. Meteosat-1 represents Europe's contribution to what is known as the "World Weather Watch." in which U.S. satellites also participate, and also to the Global Atmospheric Research Programme. Meteosat-2 is planned to be launched by one Meteosat-2 of the Ariane rocket development flights in 1980.

Dual

Another meteorological satellite planned for launch by Ariane in 1981 will be Sirio-2. This will have a dual role—the distribution of meteorological data, particularly to African countries which do not have equipment of their own to get data from the World Weather Watch, and also to synchronise on a world scale the atomic clocks (to a precision of one nanosecond, instead of the present figure of 100 nanoseconds), by means of laser achoes on preference process on the present of echoes on reflectors placed on the satellite.

The Meteosat was built for the ESA by the COSMOS indus-trial consortium, under the leadership of Aérospatiale of France, and including Marconi Space and Defence Systems of

West Germany.

companies, Many industries, are involved in the next 10 years. satelite design, - development the provision of the ground has already been done in stations and associated infra Aerospace Dynamics Group, Europe by the European Space structure that the "space segthing: as studying the movements of fish shoals, helping the meteorology and telecommunications industry, and other the meteorological precision technology that this contract for the supply of the meteorological precision technology that this contract for the supply of the meteorological precision technology that this contract for the supply of the meteorological precision technology that this contract for the supply of the meteorological precision technology that this contract for the supply of the meteorological precision technology that this contract for the supply of the meteorological precision technology that this contract for the supply of the meteorological precision technology that this contract for the supply of the meteorological precision technology that this contract for the supply of the meteorological precision technology that this contract for the supply of the meteorological precision technology that this contract for the supply of the meteorological precision technology that this contract for the supply of the meteorological precision technology that this contract for the supply of the meteorological precision technology that this contract for the supply of the meteorological precision technology that this contract for the supply of the meteorological precision technology that this contract for the supply of the meteorological precision technology that the meteorological prec launched in late 1977. Every 30 companies into new fields of under discussion. The ECS minutes, this satellite provides activity, and is continually programme will provide Europe

> In addition to the "space-segment," the "ground seg-ment" has developed just as rapidly, with some companies specialising in the design and development of receiving and transmitting stations, including Cable and Wireless and Mar-coni Communications Systems in the UK.

The size of this side of the satellite business can be gauged from the fact that there are earth stations in more than 80 countries, providing well over 217 entennae, and many more are likely to be built through the 1980s.

In order to meet the requirements of the European posts, telecommunications and broadcasting administrations point-to-point communications (telephone, telegraph, telex, Eurovision TV programmes and data transmission), the European Space Agency some time ago developed the Orbital Test Satellite (OTS). The first of these was lost on launching in 1977, but the second has been functioning successfully since May, 1978. The aim of OTS-2 has been to demonstrate the performance of on-board satellite equipment, and to provide an experimental, pre-operational traffic capacity of 5,000 telephone circuits or 4,500 telephone circuits and two TV channels.

This work will lead into the development of the European Satellite Communications system (ECS), the first satellite of which is due to be launched aboard the Ariane rocket in late 1981. Earlier this year, an organisation called Interim Eutelsat, comprising 17 of the European telecommunications provision of five satellites over ticular parts of the world-

and manufacture, as well as in satellites has been placed by phone and television systems the provision of the ground the ESA with the British where these do not already leading the MESH consortium work requires is leading these next three satellites is still spearheading the development with a regional communications of new industrial techniques, especially in such areas as the delex. TV and data transmission. micro-miniaturisation of compo- with a capacity equal to 20,000 telephone circults, or 12,000 circuits and some TV channels. tt," the "ground seg- The first satellite will be has developed just as launched in late 1981, and the second some ten months later. One will be in use, with the other as a back-up, ensuring a continuous operational service.

> Maritime A programme of development of European maritime satellites is also under way, called Marecs, derived from the ECS satellite, and aimed at making it possible for ships at sea to communicate instantly with shore stations thousands of miles away. The first two satellites Marces A and B, are scheduled to be launched by the European Ariane rocket in

1980 and 1981. The operation of the system, including a net-work of six satellites (three Marecs and three Intelsat-Vs loads), will be entrusted to a new international maritime communications organisation, INMARSAT. Many of the European com-

munications satellites, includ-ing the OTS, the ECS and Marecs, have been or are being. developed by a major con-sortium of companies, called MESH, which includes Eugins Matra from France, ERNO from Matra from France, Errov from West Germany, SAAB-Scania from Sweden, British Aerospace's Dynamics Group, Aeritalia from Italy, INTA from Spain and Fokker-VFW from Holland. MESH companies have individual consultancy contracts with TRW Systems of the U.S., thus providing further the U.S., thus providing further technical backing for the

consortium. One area of development that is of particular interest to these companies is the pro-

THE CIVIL applications of toring global ocean monitoring the UK, Selenia of Italy, ETCA administrations, signed a \$200m vision of "regional satellites" satellites, as opposed to the (including studies of the polar of Belgium, and Siemens of agreement with the ESA for the for communications in parthe next decade. Under this supply not only of satellites but Many companies, out the next necaus. Shows also of the associated ground especially those in the aero-arrangement, the ESA will pro- also of the associated ground space and associated electronics vide the "space segment" for infrastructure including receiving and transmitting stations, industries are involved in the next 10 years. The contract for the first two and even, if frecessary, tele-

Europe is the H-Sat, a heavy experimental satellite of about 900 kg, for launch aboard the Ariane in 1982. This is intended to be the forerunner of a large platform in space able to carry a variety of future television and radio communications payloads for direct transmission into homes or community antennae-enabling the dis semination of such programmes over a much wider area.

Beyond these, the ESA has its Advanced Systems and Technology Programme, signed to prepare future satellite systems. Ideas now being developed include the Stella experiment, aimed at exploring high-speed digital data transmissions via satellites, and the Spine project (Space Informatics Network Experiment), designed to become operational next year and aimed at experimenting nating documents using high speed digital with new methods of dissemi equipment. The possibilities of video-phone conference facilities will also be studied.

It is regarded as vitally important that Europe develops its own data facsimile trans mission systems - so - as kot to be left behind in the 1980s by developments in the U.S. There, Hughes Aircraft, probably the world's biggest manufacturer of satellites and associated systems, is already at work on the programme of satellites for the Satellite Basiness Systems (SBS) group, a consortium formed by IBM, Comsat General Corporation, and Actua Life and Casualty Three satellites are being built with first faunch planned for mid-1980. The aim is to provide a domestic U.S. satellite system for private users (business, government agencies communications needs, giving them instantaneous data, facsimile and tele-conference facilities from 1981.

Michael Donne

When the NASA/Jet Propulsion Laboratory needed a computer system to track and monitor Voyager spacecraft to Jupiter and beyond, they chose MODCOMP.

> The performance and reliability standards for computer network systems used in the United States space program are the most demanding on earth.

> Which is why MODCOMP is selected so often besides Voyager, we're also involved in the Viking, Pioneer, Helios and space shuttle programs).

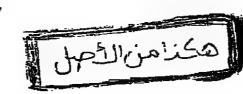
> And why our computers are responsible for so much of each program's success.

In the Voyager program, for instance, MODCOMP computers command the spacecraft. They turn Voyager's instruments on and off. Program the on-board computers. Process optical navigation instructions. And even monitor the information status within the computer system itself.

Our computers also process the photographs Vovager sends back. In fact, the volcanic activity on Io was discovered on a MODCOMP computer. And when NASA scientists decided they wanted a closer look, they used our computers to reprogram Voyager 2 to give them just that.

Making realities of deep space exploration is just one of the capabilities we offer. There's much,

After all. if we can bring images back from Jupiter, just imagine what we can do for you.





For a copy of our Annual Report, or product information, write to Modular Computer Services, Inc., Molly Millars Lane, Wokingham, Berkshire, England, Or call 0-734-788711. United States Hendquarters: Modular Computer Systems, Inc., 1650 W. McNab Road, Ft. Lauderdale, FL 33310, (305) 974-1380, Ext. 1060.

Reducing the cost of launchers

manned spaceflight is likely to be the first operational launch next year of the manned U.S. or other activities in space. In Space Shuttle, otherwise known Europe, the European Space as the "Manned Reusable Space Agency, as part of its own con-Transport System." While bud-get cuts have obliged the National Aeronautics and Space Administration (NASA) to slow the pace of development of the Space Shuttle, it is currently planning to launch the Shuttle some time between next March and June, unless further budgetary delays occur.

The Space Shuttle is one of two major launching facilities for satellites and other space activities now under develop-ment in the Western world for the 1980s, the other being the Ariane conventional heavy launcher rocket now being built by the European Space Agency. Thus would-be satellite users during the 1980s will have a choice of launching systems, and tough price competition is likely to develop as both systems come to fruition. Already, both systems are collecting customers world-wide, from countries, universities, telecommunications authorities and even commercial and industrial clients who are auxious to have their own satellites in the decade ahead.

Crew

The Space Shuttle comprises an "Orbiter" vehicle, about the size of a small airliner which will be sent into near-Earth orbit by two "Booster" rockets. The Orbiter will carry a small flight crew and a small team of scientists or other astronauts. Both Orbiter and Booster are designed for recovery and refurbishing for future use. Each Orbiter vehicle is intended to be used for 100 space missions and each Booster

The Boosters will fall into the ocean for recovery and shipment back to the Kennedy Space Centre in Florida, while the Orbiter vehicle will fly back into the Earth's atmosphere on completion of a given mission (such as placing a satellite in orbit or repairing a damaged or defunct satellite) to land at the Kennedy Space Centre like an airliner, on a special runway three miles long.

satellite launchings by pro- launcher market forecast for viding a frequently usable the 1980s—estimated at more

tribution to the Space Shuttle. is developing what is known as "Spacelab," a manned and reusable space laboratory which will be carried on Earth orbital missions in the cargo bay of the Shuttle's Orbiter vehicle. Up to

The first flight model of Spacelab is to be delivered to NASA by the ESA in 1980. The ESA has selected three Europeans—Ulf Merbold (Germany), Claude Nicollier (Switzerland) and Wubbo Ockeis (Netherlands)—to participate in the first Spacelab mission in 1981 as European payload specialists.

A total of 76 scientific and technological experiments— 60 European, 15 American and one Japanese — have been chosen for this first Spacelab mission, covering such things as astronomy, physics of the atmosphere, solar physics, plasma physics, earth observation, life sciences and the processing of

materials. In its mission plans for the 1980s. NASA envisages ap-1980s. NASA envisages approximately 400 Space Shuttle flights, 40 per cent of the state of the s flights, 40 per cent of which, or about 150 to 160 flights, will be assigned to Spacelab missions. Programmed design im-provements to Spacelab are in-tended to widen its mission capability, and eventually en-able it to stay in orbit in the Shuttle Orbiter for periods of up to a month, with free orbital flight outside from the Shuttle Orbiter vehicle also a possi-bility for long missions. Space-lab would thus represent the first stage of a modular space station in orbit, regularly visited by the Shuttle Orbiter, and which could serve as the basis for the construction and assembly in orbit of large space systems for a wide range of tasks. Europe's own rival to the Soace Shuttle itself as a satelite launching system will be

the Ariane, a heavy launching rocket intended to give Europe an independent capability for The aim of the system is even-tually to reduce the cost of win a share of the substantial with one launch.

THE NEXT significant event in system. The Orbiter will have than 200 satellites of various kinds, .

> Ariane, which is being developed by a consortium of European companies (the system integrator being Aérospa-tiale of France) is designed in particular to place satellites of up to 970 kg in a geostationary orbit (in which the satellite remains virtually in the same spot over the earth's surface, its orbital speed being geared to the Earth's own rotational three people - scientists, en- to the Earth's own rotational gineers and technicians will be speed). The aim is to have the able to work in Spacelab for Ariane operational by the end periods of about a week. of 1980.

Four development firings in the qualification programme are scheduled for November this year and March, June and October 1980, and will be carried out from the Ariane launch site located within the Guiana Space Centre at Kouron, French Guiana: The first launch will carry a technological capsule and ballast; but the other three are intended to put various satellites into orbit, including Ament (an amateur radio satellite), Meteosat-2 (the second flight model in the European meteorological satellite series), Apple (an Indian experimental communications satellite), and Marecs-A (the European maritime communications satellite).

In addition to these, the first

range of satellites in the early 1980s. These include Exosat (second half of 1981, for study ing celestial X-ray sources); Marecs-B (first half of 1981, for maritime communications); Sirio 2 (possibly at the same time as Marecs-B) for meteorological data distribution in connection with the World Weather Watch, and synchronisation on a world scale of atomic clocks by means of laser echoes on reflec-tors placed on the satellite; ECS-1 (end-1981, the first operational European Communica-tions Satellite); the French Earth observation satellite, SPOT, and a communications

satellite in the Intelsat-V series. The ESA says that Ariane will also be used for further launchings of satellites in the European Communications Satellite programme. The ESA believes that during the 1980s there will be at least 30 to 50 Ariane

M.D.

At the service of science

IT MAY seem a far cry from the peat bogs of Scotland to the sophistication of an orbiting satellite. But scientists at a research centre near Aberdeen are making good use of the highpowered cameras of one space research programme of the U.S. National Aeronautics and Space Administration, in mapping the peat resources of the Highlands

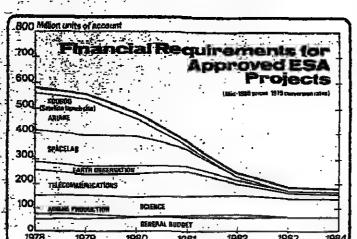
and istairus.

The Macaulay fostitute for Soft Research, an Agricultural Research Council laboratory, is huying photography on mag-netic tape obtained by NASA's Landsat programme of earth resources surveillance. They use this colour imagery to guide their own flights in light aircraft. Their aim is to compile a data bank on an underexploited energy resource. Aptly, this peat data bank bas been christened MIDAS—Mire Information Data Acquisition -

activities seem quite so down to earth as in their use -in resources unless one counts the cremation of NASA's Sky-lab when it re-entered the atmosphere prematurely lest month. But space activities which only, a decade ago seemed remote from daily life are already familiar enough to be easily overlooked; for example, the frans-Atlantic telephone calls via satellites, distinguished by their slightly disconcerting pauses, and the nightly met pictures of Britain's weather report on BBC television in recent months.

ion in recent months. meterological research pro-grammes the World Weather Watch and the Global Atmo-soberic Research Programme was launched into geostationary orbit late in 1977. This satellite.

minutes, using its telescope radiometer. Second, the satellite itself disseminates the image and other data from Darmstadt logical offices. Third, it gathers



and relays it back to Darmstadt. Initial performance has delighted the meteorologists and provided them with novel views of the earth's atmosphere -such as regular photographs of the moisture content of the entire atmosphere.

Currently the biggest sector of spending by the European space, laboratory Europe building to be carried into orbit by the U.S. Space Shuttle, and Skylab—to retrieved and brought back for refitting after up to a month in space. Spacelab is a pres-strised laboratory module about 4 metres in diameter and up to 7 metres long within which two scientists will be able to work

In addition, the satellite will be

able to tow up to five "pallets'

carrying larger instruments.

The first Spacelab payload—originally scheduled to be flown late in 1880; but likely to be delayed by problems with the Space Shuttle has been designed as a multi-disciplinary delayed by problems with the designed by the European Space Space Shuttle—has been Agency to serve the specific designed as a multi-disciplinary needs of Europe's meteorologic demonstration of the versatility cal offices, is one of a network, of the flying laboratory concept of five spread along the equator. From more than 2,000 responses the others being provided by the by scientists to the invitation U.S. (2), the USSR and Japan to design experiments, for its data processing centre is at Spacelah. I total of 78 were chosen by ESA and NASA in Meteografic has three main 1967. They include abysiological Meteosat i has three main 1977. They include physiological missions. First, it is imaging experiments on the scientists the earth's surface and cloud themselves, such as studies of cover simultaneously in three space sickness a condition spectral bands at intervals of which has interfered with themselves, each as studies of space, sickness, a condition which has interfered with earlier space missions. It may be possible to find motions which counter any inclination towards appea sickness on the

part of a crew member. Also aboard for the first flight in

materials science Isboratory, designed to perform 37 experi-ments in crystal-growing and

gravity-free conditions. Whether or not the results suggest ways materials, as space enthusiasts often suggest, they should certainly shed much light on the dynamics of materials during the formative stages of the earth and other planets, and of the earth's oceans and atmos-

is also building an orbiting X-ray telescope called Exosat, to investigate cosmic X-ray sources well beyond any environment. It is designed to be placed in a highly eccentric orbit with an apogee of 200,000 in a "shirt-sleeve" environment. km, so that it can accurately of X-ray sources deep in space.

> Scientifically, the project is collaboration between 10 research teams in Britain, Holland, West Germany and Italy. together with ESA itself. But for the first time in an ESA/ ESRO programme ESA is financing and managing the two identical imaging telescopes, an array of proportional counters, and a spectrometer for studying, detailed features of essentially an ESA observatory. feeding data to many scientists outside the 10 groups partici-pating directly. The satellite is scheduled to be ready for launching in 1981, either by ESA's own Arlane or by a Thor-Delta launch vehicle.

> NASA's most ambitious

of these have been out-

lined by Dr. Glaser himself,

most recently late this spring at the 16th Space Congress at Cocoa Beach, Florida, close to

Cape Canaveral. He claimed that

the long microwave "cable" to earth could be at least 55 per

cent efficient, with the prospec of improving to 70 per cent. He

also claimed that the lifespan

of an SPS would be at least 30 years possibly 300 years.

As he envisaged his "reference design" of SPS, it would consist of "solar sail" in geostationary orbit, focused on a

icrowave aerial on the ground.

Sunlight would be harvested by

a rectangular array of silicon or gallium arsenide solar cells.

measuring an astonishing 10 km

by 5 km. The solar cells would produce direct current, which

would be converted by micro-

waves of a wavelength of about

10 cm—chosen to minimise radio-frequency interference on

mitted from a flat circular aerial

about 1 km in diameter. To

allow for the spread of this

microwave beam on its long

journey, the receiving aerials

would be ten times the diameter

Some idea of the scale of

These would be trans-

astronomy, the space telescope a 2.4-metre aperture instrument designed to be carried aloft by the Space Shuttle. Scientists believe that the space telescope, designed for a 15year life, will dominate space astronomy for the rest of the by Space Shuttle for repair and maintenance, and if necessary will be brought back to earth for a major overhaul. Thus the forefront of scientific technique, just as if it were a terrestria!

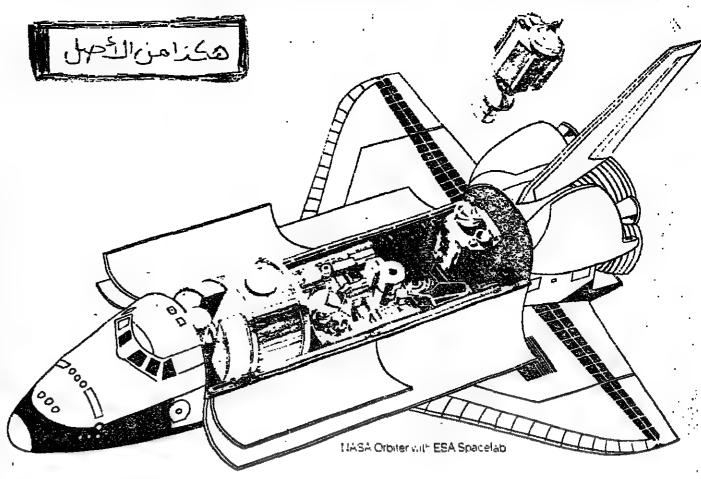
The Space Telescope is scheduled for launch in 1983. In return for its work on some of the instrumentation and the solar power system, ESA is guaranteed 15 per cent of the observing time available. As it points out, this share exceeds the entire clear dark time available on a ground-based telescope. The space telescope is expected to offer astronomera an order-of-magnitude improve ment in sensitivity, resolving power and spectral range over ESA, in its present form.

came into existence in 1975. when the original ten member states voted that the new agency should take over the rights and obligations of two precursor organisations, ESRO and ELDO, and responsibility for the Ariane launch base at Kourou in French Guiana. At present its budget, as can curves of financial requirefor approved grammes, is distributed heavily towards the development of ar of space, especially to telecommunications. Gibson, ESA's director-general has said that ESA is "intent on preserving and if possible expanding its scientific programme, and there are indica-tions that ESA member states support

A recent survey of financial planning by ESA suggests that an annual budget of 480m Units of Account would " result in good continuity in European programmes." If this pean programmes." If this were to fall to 420m Units of Account, however, ESA would have to reduce its space activi-

David Fishlock

Room for Rent.



If you want to carry payloads into space, come see McDonnell Douglas.

Until now, few scientists and industries could tap the weightless environment of space for investigative research and manufacturing. Cost was just too great. But Shuttle is changing --all that.

NASA has named McDonnell Douglas payload integration contractor for Spacelab flights on Shuttle.

We have also commercially developed a propulsion system called PAM for payloads which require boost to higher orbit from the Shuttle. This means, on a space-available basis, we can put your satellites, research and manufacturing projects onto the Shuttle, and with

our Payload Assist Modules, into space, where you want them.

What do you want to do? Grow ultra-pure crystals? Develop new life-saving drugs? Conduct materials research? The possibilities are as limitless as space itself.

If space holds promise for you, contact McDonnell Douglas now. We have the people, the technology, the systems, and the experience to get you there. Contact: R.G. Monger, A3-110, McDonnell Douglas Astronautics Company, Huntington Beach, CA 92047. Telephone: (714) 890-1867.



Power stations in space

IN AN office in Cambridge, Massachusetts, a decade ago a British-educated engineer warmed to his theme that the development of solar energy was "the most sophisticated way declined in public and political we can use energy." The popular view, said Dr. Peter Glaser, is that splar energy is free and of U.S. Government funding all we have to do is to catch it. silocated for 1980. But a Bill-In fact, even quite simple uses before Congress aims to raise such as solar stills are very difficult this to \$25m, and the "windfalt" cult to design satisfactorily.... tax on U.S. oil companies may Today Dr. Glaser is identi- provide still more generous fied worldwide as the chief pro- funds.

ponent of the most ambitious of ... The present goal of the SPS all schemes for harvesting solar energy: If President Carter's declared goal of obtaining 20 per cent of the U.S. nation's energy

safellite—that is placed in orbit high enough to remain above the same spot on the earth's surface, as for example telecommunications and broadcasting satellites must do Its acres of solar cells would be constantly illuminated by the single purpose. Such companies sun. The electricity (direct cur- as Boeing Aerospace, Grumman rent) generated would be con- Aerospace, Lockheed Missile and rent) generated would be converted to microwave frequency so that it could be beamed 23,000 miles back to earth. Here if would be caught by great radio-telescopes and converted into low-frequency after nating current to enter the national electricity grid.

Dr. Glaser, now a vice-president of Arthur D. Little, the engineering consultants, developed this idea from work his company was doing at the start furnace to generate very high temperatures but became frus-

behalf of his company a tenta-tive scheme for the SPS Slowly, as the U.S. space programme has interest, the SPS concept has matured into a study, with \$5.6m before Congress aims to raise

enthusiasts is a prototype SPS designed to yield about 5;000MW of electricity more than any thermal power station on earth directly from the sun is ever to today. The cost, according to be realised, it is likely that a fine U.S. National Aeronautics large proportion must come and Space Administration, is from the solar power satellite, currently put at about \$25bn.

The solar power satellite the cost of the Apolio pro(SFS) would be geostationary gramme to put a man on the

As might be expected, the U.S.

The American Institute of Aeronautics and Astronautics Glaser. To assemble the huge has concluded that a level of engineering structures in space, spending of about \$30m a year the project would need not only the thermal properties of mater. for the next five years would be an advanced version of the ials in space. He built a solar appropriate for advancing the technology to the point where a firm design for a prototype trated by the fact that the sun SPS might be attempted. At large "space freighter." This

to get things done.
In 1968, he put forward on

aerospace industry is enthusiastic about the idea, not least because if successful it would represent a tenfold expansion in man's use of space, for one Space, Martin-Marietta Aerospace and McDonnell Douglas all figure in the Sunset Energy Council, the Washington based organisation headed by Dr. Glaser, which aims "to foster the development of solar power satellites for the purpose of providing an inexhaustible energy source for the public benefit."

would not skine for long enough the moment there are, it says,

Gemmunications and Electronics

Consultants Required

We wish to retain marketing consultants to prepare reports analysing and forecasting the European markets for:

Product knowledge assential. We are an internationally known firm and can provide configuous assignments. Replies will be kept strictly confidential.

Write Box G.4199: Financial Times, 10 Connon Street, EC4P 48Y.

SATELLITE COMMUNICATIONS

* ELECTRONIC COMPONENTS

* VALUE ADDED SERVICES

of the transmitter. Scale

operations required if the SPS should be accepted as a U.S. national power production project was also offered by Dr. Space Shuttle scheduled to make its debut in the coming months. but also the development of a craft would be capable of orbiting a payload of up to 500 tonnes, as is Boeing's proposed heavylift launch vehicle, for example, In effect this would be an orbiting warehouse, stocked with the construction materials and such machine tools as automatic beam welders. He envisages a construction team of 550-small by terrestrial power station standards but still very large by any standard of space activity. Ten launch sites for shuttles and

space freighters would be needed

to put this team into orbit and keep it serviced. Once assembled,

however, it is envisaged that the

"still too many promising but SPS would be operated by re-unexplored technical options." mote control from the receiving mote control from the receiving

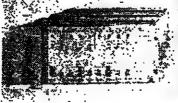
> Not surprisingly, there are plenty of sceptics and even dedicated opponents of the SPS. One objection comes from those opposed to all centralised control of electricity, whose attack hitherto has focused par-ticularly on nuclear power as the new source of centralised tions are raised by those who see it intruding in new and not necessarily benign ways into man's environment. The main inefficiencies — conversion of sunlight to electricity and its subsequent conversion to microwaves - stay far out in space. so "thermal pollution" is well away from the atmosphere. But problems could still arise from the microwave beams, not least if their focus should shift from the receivers on to a city. Moreover, the rocket exhaust from the immense number of space launches from the ten launch sites could well introduce new atmospheric pollution

> Dr. Robert Frosch, administrator of the National Aeronautics and Space Administration (NASA), was sufficiently wary of the SPS concept to quash any idea of lobbying on NASA's part for an early start to the project. In Europe a few months ago to discuss progress on the Space Shuttle, Dr. Frosch admitted that he was "rather sceptical" about several aspects. He wanted to know more about the engineering problems, the environmental effects and. above all, the economics.

> "I certainly don't understand the economics and I'm not sure that those who talk about it NASA's current estimates. he said, suggest that electricity from an SPS would be no cheaper than an equivalent amount of nuclear or coal-fired plant, even though the fuel would be free. And the project would have the disadvantage of requiring all its capital at once. for a very large tranche of electricity. Figures NASA has been conjuring with are \$50hn to set up the project and another \$25bn to build the first SPS. But even these figures made such assumptions as solar cell efficiencies of 17 per centand we've barely done that in the laboratory."

David Fishlock





RADIO COMMUNI





Long distance telephone communication via satellite is now within your reach.

Philips satellite communications systems can provide an economic highly efficient and thoroughly (leable answer to voice and data communication worldwide.

They are specifically designed to link in to domestic, rural and regional telephony facilities, and have built-in expansion capabilities to cater for system growth as and when required,

Compact, Four complete channel. units tition to a standard 19" shell, and i there's excellent channel selection for bota transmit and receive trequence is Philips has vast a quenonce in the design, supply and installation of

auvanced satellite communications

You owe it to your factory voildmide communications needs to find

na, mi, reliabbat Enilips, 8,5100 and R\$250 systems and complete earth มไซ(เการากโรโซเโซโตโตโตโตโร).

Thou to within far sacieties aunithan you though

For rother information, cotest Philips Telecommunications, P⊙ Boll 32,1200 JD, Hilbersum, the idetocriands.

Telecommunications



PHILIPS

Breaking away from £8½bn

BY PETER RIDDELL

assumed a symbolic significance regarded as excessive and below it the markets have in general been content, or at any rate willing to buy gilts. Whenever horrowing has even threatened to move above this figure the

of around this level following the lengthy negotiations with International Monetary Fund in autumn, 1978. The subsequent importance of the figure has had more to do with the hand-to-mouth character of official monetorism than with any underlying economic logic. There is nothing special about £81bn as such, or for that matter £71bn or £91bn. The markete have been suspicious of Government intentions and the need to sell a continuing large amount of gilts has not allowed any escape. But the Conservative Treasury Ministers are now looking at ways of moving away from this kind of

Main point

A borrowing limit set as a fixed money figure can be criticised on both monetarist and non-monetarist grounds. The main point is that such a target ignores other economic influences. For instance, the impeccably monetarist London Bust-School argued in its recent Economic Outlook that a projected rise in public sector borrowing from £8.5bn in the current financial year to £10.9bn in 1980-31 should not cause con-

The main reason for the rise is the forecast recession next year which reduces revenue and boosts expenditure on welfare payments. The increase reflects he operation of built-in stabilisers and is not a deterioration. in the underlying or constant employment level of horrowing. This reflects the view that a budget deficit which may be inappropriate when demand is hunyant, may be all

right during a recession. constant or full employment budget balances which adjust have to be part of a medium-for cyclical variations. The usefulness of such measures as yardsricks for judging fiscal

BBC 1

6.40-7.55 am Open University

(Ultra-high frequency only). 9.30 Rooharh, 9.33 Jackanory, 9.50

C.B. Bears. 10.10 Why Don't You . . ? 10.35 The Flashing Blade. 1.15 pm News. 1.30 Barbaby, 2.00 Glorious Goodwood.

FIGURE £81bn has Neild of Cambridge, in their ned a symbolic significance Institute of Fiscal Studies' for the City in the last three report (The Measurement and Above this level public Reform of Budgetary Policy) sector borrowing has been which led to the formation of Lord Armstrong's committee of

The Treasury has been sceptical; a working paper by its own economists 13 months ago concluded that this type of adjusted budget balance could alarm heils have rung.

The Government first set a only be one indicator among the limit on public sector borrowing several which must be used to assess economic policy. Its usefulness might anyway be limited by the "dependence of the calculations on arbitrary and artificial assumptions and on econo-metric relationships which are subject to wide margins of

> Moreover, as the Treasury paper noted, such adjusted balances take no account of the monetary consequences of the need to finance the actual budget deficit. One reason for fixing a target in cash terms is that this is easily intelligible to the market which can then make assumptions about the likely size of gilt sales.

> The snag is that a cash ceiling lasting longer than a single year takes no account of inflation. Thus a fixed borrowing limit of £8]bn was equivalent to 61 per cent of Gross Domestic Product at market prices in 1977-78 but only just over 41 per cent in the current financial year. This represents a biz change in the underlying fiscal

One target

The Government's thinking was indicated by Sir Geoffrey Howe in a written answer jus before the recess. He reaffirmed the official commitment to "a progressive reduction of the rate of growth of the money supply and, as a means to that end, we are determined to reduce the PSBR as a percentage of GDP."

It is sensible for the Government to focus primarily on one target rather than several, even though sterling M3 is fallible as a measure of monetary policy. This concentration would allow any medium-term PSBR objec-Consequently a good deal of tives to be more flexible, taking work has gone into calculating account of cyclical variations and of inflation. This would term strategy if it was to be plausible, and the Government has a big job of education and policy in the long-term was, for persuasion if it is to wean the instance, urged by Mr. Terry City away from a permanent Word and Professor Robert £8]bn limit.

4.45 King Cinder, 5.10 Wild-track, 5.35 Captain Pugwash,

5.55 Nationwide (London and

6.50 The Wonderful World of

South-East only).

5.40 News.

9.00 News

6.20 Nationwide.

Disney

9.25 Lena's Music.

9.55 Come Dancing.

10.35 Medical Express. 11.05 Honour Royal.

7.46 The Liver Birds.

8.10 The Omega Factor.

11.45 Weather/Regional News.

6 Wine producer should pro-

vide his own cover (4-5) 7 Anything abnormally tough

8 Place beam of light in part

Il You serve an employer in

15 Prone to get start of reaction

17 Stronge chap dismissed, being a social misfit (3-3-3)

18 Sweet jokingly made in bed

Solution to Puzzle No. 4.035

M S M S A M M E

MORVAZ COMPLETE W M G D D M T ALOGET LIBERATE G U ELTERAG DANETES

of gear-box (3-5)

part (4)

15-31

in gland (9)

21 Offer gift now (7)

All Regions as BBC-1 except at

Roses: a case of Lovett first sight

GARDENS TODAY

BY ROBIN LANE FOX

climbers which

specialist nurseries still try to

spread. Peter Beales, Intwood

THE HOT and heavy weather your house's walls. Paul's has not done justice to the best scarlet and 1950s urban brick of this summer's roses. They hang their heads and quickly lose their petals. The reds turn ness which does so much for their evening scent.

To my eye, the ramblers and climbers are the most spectacular in such a season. Their large blankets of flower, are held at a height where you cannot see their individual imperfections. No other country has the same profusion of climbing roses, not even the hill villages of those parts of Afghanistan where the huge white single-flowered varieties grow wild through the poplars. Our roses are a consequence of the cottage and the rustic suburb buildings whose height and walls can support them. There is not the same scope on the fronts of tall and inward facing blocks of flats, the core of a Mediterranean town.

Climber choice

If you have just bought yourself a home for a few roses and are wishing to OPEC that it was nearer the centre of the town, console yourself, at least, with the choice of climbers which is open to you. If you have an eye for colour, you must begin from the colour of

are a most unhappy pair. The colours of new hybrid roses fit the dominant builder's material go brown at the edges. No rain of the years of their popularity. thoroughly rampant rambler. knocks off the dead flowers. That awful fashion for yellow Felicite et perpetue sprang There is none of the damp cool-bricking and timber facing hastily to mind. It has a coincided with orange super Sugary-pink Oueen Elizabeth caught the peak of smells of primroses. burnt red tiling and tudor-bethan brick. I like strong yellows on grey stone or limestone, blush white on brick,

dark red on whitewash, pale

pink on anything and strident

danse du feu nowhere. So, size

up your wall before you start. Consider height and season carefully. This year, I can still enjoy the fruits of an earlier lunacy. But by 1981 I will have to prone my way through a jungle in order to get any midsummer articles off to the printers. For I have gone and put the small flowered white felicite et perpetue on a seven foot high garden shed. shed itself was a disaster, one of those pay-as-you-go jobs for cash which coincided with two moonlighters' flits on holiday, a third who thought it would look best with a flat roof and a fourth who finished it off in the week of his daughter's wedding and must have been planning to give 200 fellow moon-beams

for my cut-price, recycled door. So the shed stands open to the with almost nothing, least of all cats and wind, an eyesore fit only, at first sight, for a season, late pleasantly beginning in mid-July.

from an early age. I succumbed

to the thought of it, having

pleased a friend with an old

suggestion that he could grow

it on the sloping banks beside

his orchard. For two or three

years, it will look as fine as

anything could. But then, it

races off to a thorny height and

width of twenty feet. The shed

will be swamped. My path will be barred. The moonlighters will be back to cut a tunnel

into it by torch-light. I ought

to have been patient and chosen

readers ought to know my favourites by now: pale blush-

white new dawn, an essential

omething less vigorous.

Among

iemon pillar, rampant Easleas golden rambler, deep red allow it to become leggy. You she would be at her best some crimson glory and silver-white must be willing to prune it and Mme Alfred Carriere for a pin it. You will have to spray north; wall. Of these, enough the fat buds against white fly has been said. But at lower and reckon that its leaves are heights, there are still some likely to catch black spot good discoveries to be made eventually. But in its single Like most explorer's triumphs, season of flower, it is so sweet Its Like most explorer's triumphs. small white flowers hang in they are usually re-discoveries, abundance on vigorous stems for these are heaps of good old

and so prettily-shaped that any keen rose-grower ought to have

If you are packing up your golden wads of sterling and buying a place in the European sun, remember to think of raking Lady Hillingdon with When warm, she would make a superb companion, a lady of no fuss, no pests, no nasty smells, healthy for a lifetime and free with her charms. Bred in 1910, she started climbing in 1917. It took her

Nurseries, Swardeston, Norwich, will quote you a price far. She is not so fashionable nowadays, despite the title and the good track-record. But herfor any I mention if your local qualities are still not surpassed in any one rose. Her flowers bother with Blairii No. 2? I have two seasons and a bud marrel at this flat and ex- or two in the interval. They quisitely scented silver-pink are shapely, as all the ladyroses of her time once were. bourbon rose, able to be staked or pinned to a height of eight. Their scent is exquisite, a heavy or so. Was it an afterthought, air of freshly-opened tea which air of freshly-opened tea which explains the name tea roses. all that Mr. Blair had left when he lost every plant, perhaps, of some long-forgotten Number 1. The leaves are grey-green. The young stems are a thrusting plum-red, the flowers are an so he never named it and let it loose to the public as some ignored second-best? If you apricot without any trace of flame or salmon pink. In

As a parting shot they had late rose, single yellow mer mistrust it and fear black spot, England, she finds the frosts made the doorway too narrow maid, pale pink Mme Gregoire see it next year at Sissinghurst at times too much for her. She Staechlin, lemon-white pauls Castle. Kent where it is likes to go south for the winter. superbly shown. You must not in a Mediterranean bolt-hole,

Underrated

Madeleine Selzer is as different as she sounds, but still, I think, an underrated old variety. No, she does not have a fizzling white sister called Alka. In fact, she is a rambler, but her flowers are prolific, still seen in old gardens where they were planted in the 1920's, proof of their vigour. They vary from cream to lemonwhite, but stop at around ten feet and have the great advantage of being almost thornless.

The shell-pink Alida Lovett shades into yellow-at the base of the large flowers, but makes a fine companion, unjustly ignored since her birth in 1905. It was Lovett first sight when I saw her-this summer on an old wall, not least because of her vigour and sweet scent: It is a commonplace that modern bush roses are never better than the old one. The same truth, however, is seldom seen in the climbers too. Flat white Sombreuil, healthy yellow emily gray, buff-yellow old rose d'or; few pests and all eyes. Among roses, the newest is very seldom

Thatching looks set for hat-trick

champagne and strawberries on

his front lawn, to judge from his bill on the following morn-

THATCHING, valued at about film by Mr. Robert Sangster after the colt's July Cup triumph, will double that valuation if successful in today's

Top-class colt sprinters with pedigrees to match are still much in demand as stallion

RACING BY DOMINIC WIGAN

prospects, but a colt with those assets and also the ability to maintain ascendency over a mile joins an even more illustrious category.

Although it is asking much of Thatching to complete a hattrick in today's mile event. following six furlong victories in the Cork and Orrery and William Hill July Cap over such dour battlers as Spence Bay and Kris, I believe he will prove up to the task.

Weather for Scotland, Wates—5.10 pm Stangdifung. 5.30-5.40 Dan A'r Deinosor 5.55-

0.20 Wales Today. 6.50 Heddiw. 7.10-7.40 Pawb Yn Ei Fro. 10.35-

11.05 Troi'r Dail. 11.45 News and

Weather for Wales. Northern Ireland—4.18-4,20 pm

Northern Ireland News. 5.35-6.20

Scene Around Six. 11.45 News

England-5.55-6.20 pm Look

East (Norwich): Look North (Leeds, Manchester, Newcastle);

Midlands Today (Birmingham); Points West (Bristol): South Today (Southampton); Spotlight

BBC 2

11.00 Play School. 4.50 pm Open University.

7.45 Mid-evening News.

6.40-7.30 am Open University.

7.33 Mother Nature's Bloomers. 8-23 Soccer: West Bromwich Albion v. The People's

Republic of China.

9.30 am The Living Body. 9.45 It's More Life. 10.95 Farmhouse Ettchen. 10.30 Dry Australia. 10.30 Family. 11.40 Bocket Robin

Hood. 12.00 Cloppa Castle, 12.10 pm Stepping Stones, 12.30 Emmerdale Farm. 1.00 News, plus FT index. 3.20 Thames News.

1.30 Crown Court. 2.00 After Noon Plus At Home. 2.25 Racing from Redcar (covering the 2.30.

3.05 and 3.35 races). 3.58 Defini-

South-West (Plymouth).

10.20 Gharbar.

6.55 Adventure.

9.15 My Music.

9.40 Seven Artists.

10.10 Late News. 10.15 "Life Love Death." LONDON

Ireland.

Weather for Northern

The Vincent O'Brien-trained four-year-old, whose 1978 efforts over a mile and nine furlongs were smart rather than of the highest grade, had his rivals in trouble a long way from home, both at Royal Ascot and New-

This afternoon, Lester Piggott will be faced with the tricky problem of deciding whether to let Thatching bowl along from the start or try to restrain him for a late effort. In what promises to be one of the most bsorbing Sussex Stakes for many years, I expect to see Thatching swamp the gallant Kris for speed close home. Spence Bay, a specialist miler, may take a minor berth.

In the Richmond Stakes it is difficult to look beyond the unheaten Varingo, who sprang into the public eye on his debut here before landing the Berkshire Stakes at Newbury and Royal Ascot's 18-runner Coventry Stakes. Never in danger in the latter event, the brown son of Saulingo could undoubtedly have found more

7.30 Coronation Street 8.00 The Benny Hill Show. 9.00 I Look Like This.

11.30 Crits. 11.45 Barney Miller.

Murder at the Wedding.

Brother Roger of Taize.

Morton reads

ATV

9.15 am Something Different. 10.30 Here Comes Mumbe. 10.40 The Nature of Things. 11.35 The Lone Ranger. 1.20 pm ATV NewSdest. 5.15 Sam. 5.00 ATV Today. 11.30 Have Girls, Will Travel

BORDER

10.36 sm All Shada and Sauertraut.
11.00 The Roger Whitteker Show. 11.26
The Southerners. 11.50 Certoon Time.
1.20 pm Border News. 2.00 Housepert/.
5.15 The Flinistanes. 6.00 Lookaround
Wedneaday. 11.30 The Andy Williams
Show. 12.00 Border News Summary.
CER ANNEE

CHANNEL

1.20 pm Channel Lunchtime News and What's On, Where? 5.16 Little Vic 5.00 Channel Keva, 6.10 Talking Bites 10.28 Channel Lite News, 11.30 The Nerr Avengers, 12.25 am News and Weather in French Indiowed by Endouge.

GRAMPIAN

GRAMPIAN

8.26 am First Thing, 16.35 All Shalls and Saugrkraut. 17.00 The Roger Whittaker Show. 11.25 The Southerners. 11.50 Carbon Time. 1.20 pm Grampian Blows Headlines. 8.15 Wild, Wild World of Animals. 6.00 Grampian Today and Farming News, 6.10 Levenne and Shirtey. 11.30 The Child Wants A Home. 12.00 Reflections. 12.05 am Grampian Late Night Headlines.

GRANADA

10.30 sm Torzan. 11.15 Clapperboard 11.40 The Beatles 1.20 pm Dick Tracy. 5.10 Febr. The Cat. 5.15 Crossmade 6.00 Granada Reports. 6.30 The Squirrels 11.30 StVAT.

HTV

BBC Radio Landon

10.00 News.

had runner-up London Bells threatened him close home. The second has since lowered The Minstrel's six-furlong course record for two-year-olds at the Curragh.

On yesterday's opening day of the Goodwood meeting, the major upset was Cloerwen's defeat in the Molecomb Stakes. Backed as if success were a formality, Claerwen looked to have overcome earlier troubles when hitting the front 100 yards from home. Nevertheless. Keep Off snatched the verdict in the last few strides. However, I feel sure that Claerwen would have run out a comfortable winner, had she not received a hefty bump two furlongs from

GOODWOOD 2.13—Omourman

2.45—Varinge 3.20-The Solent"

4.00—Thatching***

4.30-Tilting 5.00-Funny Sunday 1*

Headines, 1.25 Peport Wales Hosdines, 5.20 Crossroads 6.90 Report Wcest. 6.15 Report Wales. 5.30 The Lovers, 11.30 Celebrity Concert. HTV Cymro/Wales—As HTV General Service except: 1.20-1.25 pm Penawdau Now; ddion Y Dydd. 4.20-6.45 Rydw Ant Fod. 6.00-6.15 Y Dydd. HTV West—As HTV General Sarvice except: 1.30-1.30 pm Report West—Record West. 6.00-6.30 Report West.

SOUTHERN ·

WESTWARD

10.35 am All Snads and Squerkraut
11.00 the Roper Whittsker Show. 11.25
The Southcrie's 12.27 pm Girs
Honeybun's Burthdays. 1.20 Westward News Heedlings. 5.15 Little
Vic. 6.00 West-ward Diary 10.28 Westward Lite News 11.30 the New
Avongers 12.25 am Faith For Lite.
12.30 West Country Weather and Shipping Forecast.

YORKSHIRE 1 UKN DIKE
10.30 am Moby Rick and Mighty
Isighter 10.55 Alright Note: 11.10
Young Ramsey 1.20 pm Calendar
Note: 5.15 Out of Town. 6.00
Calendar (Emley Moor and Believestr
additions) 11.30 The Odd Couple. 12.00
The Envariances. 10.30 am All Scalls and Squattraut 11.00 The Roger Whittaker Shore. 11.25 The Sovitherners. 11.25 Peer Grat-Mountain King. 1.20 ptn Report West

Gardeners' Ouestron Time. 9.35 God In My Language. 10.00 News. 10.05 The Living Work! 10.30 Daily Service. 10.45 Moranne Story. 11.00 The Mayer of Music (S). 11.45 Listen With Mother. 12.00 News. 12.02 per You and Yours 12.27 I'm Sorry I Haven't A Clue (S). 12.55 Washer. programme news, 1.00 The World at One. 1.40 The Archers. 1.55 Shipping forecast. 2.00 News. 2.02 Woman's Hour 3.00 News. 2.02 Woman's Hour 3.00 News. 3.05 Alternoon Theatre (S) 3.30 Charat Evensong (S). 4.35 Story Time. 5.00 PM: News magnaine. 5.30 Shipping forecast. 5.55 Weather: programme news 6.00 News 6.30 The Erchanting World of Hinge and Bracket (S) 7.00 News. 7.05 The Archers. 7.20 Let's Get This Settled. 7.65 Lifetines In Medicine. 8.45 A Toest Unto Her Miestry. The Owen Mother, who is installed today as Lord Warden of the Gregore Ports. 3 30 Kaleidoscope. 9.58 Weather. 10.00 The World Toright. 10.30 Round Eurone Out; 11.00 A Boot At Bedtime. 11.15 The Financial World Toright, 11.30 Music at Hight. 12.00 No. 9.68 RCC. Radio London

5.00 am As Radio 2 6.00 Rush Hour.
9.00 London Live 12.03 pm Cell In.
2.02 208 Showcese. 4.03 Home Run.
7.00 Black Londoners 8 00 in Concert.
10 03 Late Night London, 12.00-6.00 am
Join Radio 2

PARENT PARENT OF THE PARENT OF NICHESS. 01-836 8243, Mon. be Thurs. Ers. 8.09. Fri. and Set. 5.30 and 8.15. OHI CALCUTTAL The gudity is stunning." Daily Tel.
10th INCREDIBLE YEAR

gunitually and will not a delived if trains are late.

SADLERS WELLS THEATRE, Rossben
AW. EC., 237 1572. Aug. 37-16.
DANCE THEATRE OF MARKEN
TOTAL THEATRE OF MARKEN
TOTAL THEATRE OF MARKEN
TOTAL THEATRE
BOOLING ON TOTAL
TABLE OF THEATRE

DELPHI THEATRE 01-836 7611
Evenings 32 7 30.
Mics. Thers. at 3.00. Sats 4 00.
JOHN INMAN in
"GLORIOUS FARCE Daily Tel.
CHARLEY'S AUNT
"Thoroughly reinvable" fast Tel.

"Thoroughly enjoyable" Sun, Tel. "Laughs Baw tracky." N. of World.

ALBERY. From 8.30 am incl. Suns. 836
3673. CC bookings 836 1071-3. Evgs.
7 45. Thur. sed Sat. 4.30 and 8.00.
A THOUSAND TIMES WELCOME IS
LEONEL BART'S
OLIVER
"MIPACULOUS MUSICAL."
FINANCIAL TIMES.

THEATRES. COLISEUM. Credit Cards. 91-249 9254.
Reservations 01-356 3151.
ENGLISH NATIONAL OPERA
Season opens Mor. Asp. 6 at 7.30: The
Rhinepold, Tues. Asp. 6 at 7.30: The
Valteria, There Asp 9 at 5.30: Steplines,
Sat Aug 11 at 4.30: Twilight of the
Gods. Now booking for September. Opens September 25th. Free eya irom Gods. Now booking for September.

COVENT GARDEN. CC. D1.240. 1056.

(Gardencharge Credit Cards 01-635 5923)

MARTHA GRANAM DANCE COMPANY
with Liza Minnell! Tront. 3. 44.

Aug. et 7.500. Ever. 7.50. Set. Mig.
20. Set. Minnell! Tront. 3. 44.

Educationaliffhandra. The Owl and the Passycat (Minnell!) Tomor. The Owl and Lamentation Diversion of Angels:
Aug. 2. Appalachian Spring Phaedra Piecowith Cards of the Passycat Minnell! Aug.

4: 2.00 Cave of the Heart. D they desired the Cards of the Passycat and the Passycat Aug.

(EMbet': 7.30 Seraphic Dialogue/Education First and the Passycat Minnell!" Seats available.

5. Ambhi seats avail from 10 am on quy of perf. FORTUNE 818 2239. Evos. 8.00 Mura-Thurs. 3.00. Saturates 3.00 and 8.90 AGATHA CHRISTIE'S MURDER AT THE VICARAGE PIFTM-GRIEAT YEARS. of peri.
*Please note change of programme.

GLYNDEBOURNE, 0273 \$12411-813424.
Spid Out—escible returns only Tonight.
Fel. Sem, & Tues. at 5.20: La Fedella stranslat. Tomor. Set. & Mom. at 5710:
Coal Isa tutte. With London Philharmonia Orthestra. FinAl. WEEK.
IRAINS have been erraile and patrans are shyles to he primming will stirt. ROYAL FESTIVAL HALL 91-928 1191.
This Week Only, Evs. 7.30. Mat. Set. 3.
GALA BALLET SEASON
Mains Gelepad Yoko Monishita. Galina
Samsovs. Martine Van Hamal. Jonathas.
Kelly Kelvin McKenzia. Peter Schandus.,
Tatsustra Shimau. Gala Ballet Orch.
ard Carps de ballet. Act 2. Swan Lake
Act 3. Seeping Boauty, and a selection
of popular divertisements.

GREENWICH THEATRE, CC. 01-238 7752.
Evenings at 8.00 (Sharp), Mar. 8st. 2.30,
Persondings great slow, BV. Sed. STA.
CHARACTERS 1N SEARCH OF AN
AUTHOR, 1 side describe to see 8;
AUG. 4.

THE SHERLOCK HOLMES MYSTERY
THE CRUCIPE OF BLOOD
by PAUL GLOVANN
"The kind of specials 1 carnot recall
ance boyhood terrific store. Nove. MER MAJESTY'S. CC. 01-930 6606.
Evening: 8.00. Fri., Sat. 3.15 and: 8.45
AIN'T MISSENAYIN'
The New Fats Weller Musical Show
"A RIOTOUS HIT." Dolly Main.
"JUBILANT, THE "HEST PERFORMANCE
CF ANY KIND IN LONDON." Oos

KING'S HEAD, 01-236 1916. Day, 7.30 Show 8.30, FIFTY WORDS, 8175 UF LENNY RESICE. "Certain acts are loss sheer brillance." Title Out. Sheer Griffactor From Out.

LYRIC TREATRE. CC. 01-037 7866.

By S. 6. Main. Wed, and Set. 1866.

EXECUTE CRONYN
In In 1978 Pullipar Price Cay
TANUS
TANUS
THE GRIN GAME
DIRECTOR BY
From Studden Limited Season
EXTREMELY FUNNY New Yorky.

MAYFAIR.

Everings 5.00. Sot. 6.00 and d.45
A DAY-IN HOLLY WOULD
A NIGHT IN THE URBAINE
A MUSICAL REYUE

"Subcritative mon-stop convery." E. News.
"Laugh Abt... Sheet fun ... mot to be missed! S. Sepress. "The furnises script the Mark Brouncis ever wrote.

ALOWYCH. CC. 336 8404. Into. 836
5332. Faily air-conditioned.
ROYAL SHAKESPEARE COMPANY
Ton: 7.20. Tomor. 200 & 7.30
John O'Keen's WILD GATS
More fan than almost anything on
the London stope. Gusrdan. With
Buloskor's THE WHITE GUARD (next)
Peri. Mon.) and ANTONY AND
CLEUPATRA.
RSC also at THE WARRHOUSE (see
unjor W).

MERASCADORS. CC. 01.836 1171.

CLEOPATRA.

RSC also at TMR WAREHOUSE (see Injur W).

AMBRASSADORS. CC. 01-836 1171.

Ers. 3.00. Fri. 8nd 58t. 5.30 and 8.30.

DIMSDALE LANGEN. GWEN WATFORD:

DAVID BURKE. ANGELA DOWN

BY JAMES SAUNDERS

"THE IMPACT HIT ME LIKE A
THUNDERBOLT FROM JOVE. THE
LANGUAGE BLAZES WITH WIT AND
INTELLIGENCE AND 175 THEME
ELECTRIFIES." Daily Mail.

"WHEN WE BLAY IN THE GRIP OF 175

WIT. BEEN HELAY IN THE GRIP OF 175

WIT. BEEN HELAY IN THE GRIP OF 175

DRAMA AND REVELLED IN THE
COLOURS. AND LAYERS OF 175 LANGLAGE CODIES TILL HAISE GOD
AFTER ECHO IN OUR MINDS AND
MEARTS. DINSDALE LANDEN'S PERFORMANT IS WORTH GOING MILES

"MR LANDEN GIVES WHAT I INSIST
185 THE BEST PERFORMANCE IN A
MODERN PLAN NOW TO BE SEN

LONDON." 20. NEWS.

APOLIO THEATRE. CC. 01-837 2653.

EVS. 80. Sat. 5.0 and 8.0. Mat. Th. 3.0.

LAYENDER LAYERS OF TIMOTHY

LAYENDER CC. 01-837 2653.

EVS. 80. Sat. 5.0 and 8.0. Mat. Th. 3.0.

CHRISTOPHER

THE AUTHORS OF BOEING BOEING.
"FEYDEAU LIVES, CA VA!" GGG. "IT
WILL PROBABLY RIIN AND RUN."

THE AUTHORS OF BOEING BOEING.
"FEYDEAU LIVES, CA VA!" GGG. "IT
WILL PROBABLY RIIN AND RUN."

DAINY LIMEME

ARTS THEATRE.

TOM STOPPARES

Dally Mail.

ARTS TWEATRE, TOM STOPPARD'S DARTY LINEM "Milarloss . . do see it." Sun. Times, Monday to Thursday 8.30. Friday and Saturday 7.00 and 9 15. NOW IN ITS 4th YEAR.

ASTORIA Charing X Rd. S. CC. D1-734
4291 or 439 8031. Mon-Thers B RM.
Fri. and Sat. 5 and 645 om.
Fri. and Sat. 5 and 645 om.
LIVE ON STAGE

"ENERGY AND VITALITY AND SHEER
EXUBERANCE." Daily Express.
"GREASE"

"AS SLICK, SMOOTH & SLEEK AS
SHOULD BE, The Sun.
Grapp bookings 01-437 3838,
CAMBRIDGE D1-338 8055 Also many

Student stand-by £1.50

CÔLLEGIATE TMEATRE. 01-388 7824.
387 9629. Tom Stoppard's latest play DOGG'S HAMLET. CAHOOTS MACRETH by the British American Reposteror. Company. World Premiere Town, Limited Engagement, July 9-Sept. 1.

COMEDY THEATRE. CC. 01-930 2578.
MOD. Set. 3 0D. Maix, 5rl. and at. 6.50.
THE ONLY HOCK 'N' ROLL SHOW

THE ROCKY HORROR SHOW

CRITERION. Front 8 30 am inci. un.
930 3216. CC bookings 836 1071.
Man. Thrus. 8, Fri. 201. S 30 and 8.30.
1AN MCKELLAN TO BEL.
10 DOUT THAT THERE ARE
FINER PERFORMANCES IN LONDON."

AAVOY THEATRE 01-315 5838.

SELL PAIRMAN Die U SOOM
FOR WORD DAY OF STANYWAY THEAT U THE TO T

Evening Stabland Draws Award

PICCADILLY. From 8.30 am Incl. Sums.
437 4055. CC beckings 836 1071.
Eves. E. Thirs. 3. 8. Sars. S.30. B.30.
BYTER BARKWORTH

HANNAH GORDON

IN BYAN CLIRK'S DAW PLAY

CAN YOU SEAR ME AT THE BACK.
"WONDERFILE PLAY WITH WONDER.
FUL PERFORMANCES.
"A SUPERBLY - ABSORBING PIECE OF
ENTERTAINMENT." The Sun.

PRINCE EDWARD. CC. 01-437 5677.
Evenings 8.06. Mats. Thurs. Sal. 3.00

BY TIM Rice and Abdrew Lloyd-Webber.

Directed by Marol Prince

PRINCE OF WALES. CC. 01-930 9691.

"AND A NIGHTINGALE BANG."

A new combay by C. F. TAYLOR
"FUNNY AND TOUCHING." D. Mail.
"GUPERS." D. EKB.

ROYAL COURT. 730 1745. Air Con Manday to Schirday at 7.30 Washington at 7.30 by Light Jackson Regger misk live on stage NOTAL COURT THEATRE LIPSTACES.
730 3554. Mon. to Sale 8. MARRE & BRUCE by Wallate Shawn.
BOYALTY. Ct. D9-405 8004.
Monday-Thursday extended 5.00. Fiddey.
5.30 and 8.45. Saturdays 1.00 and 8.00.
BUBBLING BROWN SUGAR
One of the most settling modicals
for year. Notw.
BOOK NOW—ENDS SAT. AUG. 18. WHITEHALL CC. 01-930 9892-7785.
Mcmday to Thursday 8:00, Pri. and Sat. 5-10, 386 8-50.

15-10, 386 8-50.

11: In a Societampine, pulsatine action-packed African musical." News. of World.
P-DURTH CREAT VEAR.

WHOMILL CC.: 01-338 8512. Third of the Modern of the Market of the modern pri. Fourth great, year. New abbeing new second cell-tion. New girls new acts.

NEW Production.

WYNDHAM'S. From 8.3g am incl. Sunt. O1-538 3038. Credit Care bisss, 938 1071. Mod. Third, 8.00 Fri. and Set. 1071. Mary O'Market's smass-bit comedy O'Market Wifth LAUGHTER. Guardian. Young VIC. 01-928 5363, Evil 7.30. A Rock Musical FAUST. All Mosts \$2. Last Week. YOUNG VIC. 928 SIST Ave 8-28. MA CINEMAS .

"The Dest Mikado Fue Seen." What's On. "A surprise and a delight." The Stane. Tickets \$3.25, £4.25, £5.25

CLASSIC 1. 2. 3. Havmarket (Piccadily Circus Tube), 01-839 1527. Piccadily Circus Tube), 01-839 1527. Piccadily Rings (A), in Doby stereo, Prgs. 12.30. 20.5. 5.40. 8.20. Robert Shaw AVALANCHE EXPRESS (A). Progs. 2.00. 4.10. 6.25. 8.35. 3. George Hamilton, Susan St. Lemes. LOVE AT FIRST SITE (AA), 1.28. 1.40. 6.00. 8.20. CLASSIC 1. 2, 3, 4, Oxford Street, 636 0310 (opp. Tottenham Court Rd. Tubel 11 J. R. Tolkieris IHE LERB OF THE RINGS /A. In Oolby stereo. Pros. 12 30 3.25, 5.30, 8.20. Special concessions 1 8.35. FINAL DAY! Christopher Lee. Olivor Tobles ARABIAN ADVENTURE UI. PCS. 145 E.55. 5.10. B.25. 61 Romale Sarker: Richard Becking Honology (DCE (A). TO RUSSIA WITH ELTON (UI. Pross. 12.50. 3.20; 555. 8.30. CLASSIC, Leitester Square. 930 6915 FINAL DAY! 1se Marvin, Robert Shiw AVALANCHE EXPRESS (Al. 12.25, 2.00, 4.10, 8.25, 8.35. CLASSIC POLY, Orions Circus (Upper Regent St.) 637 9865. FINAL DAY! THE BOYS FROM BEAZH (X), 1.10, 4.55. 640. ISLAND OF BEATH (X), 3.15. 7.00.

Z.15, 7.00.

CURZON. Curzon Street, W1 499 37:17.
Fully Air Conditioned
LEE REMICK III.

Prose. 2.00 (not Sur.), 4:00, 6:20, 8:40;
As near perfection as een could wish a treat of a film. Alexander Walker, Evening Standard. LEICESTER SO. THEATRE. 01.030 \$252.
ENTICE AND SUPLANCE THE EARLY
BUYCH AND SUPLANCE WIS. 1.45. 5.00.
S.15. Seats bible for 8.15 ups. Mon. Fit
and all props Sat and Sun.

ODEON LEICESTER SOURRE. 93D 6711.
AGOONRAMER (A). See. pert. Wild.
doors open 1.00. 4.20. 7.45. Late Night
Show Turb-Sat doors open 1.115 um. All
sexis bible in advance at Box Office or
by poor.

Show Tree-Sal doors open 11.15 bits. An actals beloke in advance at Box Office, or by post.

OBEON MARRIE ARCH, W2, 723 2011-2 MOONRAKER (A) Ser. Derts. Wisd. doors open 1:00. A.20. 7.45. Eventur seri and weekends beloke in advance.

PRINCE CHARLES, Letc. So. 437 8185.

World Promier Prosentation

World Promier Wind (A)

Sec. Parts. Dip. (Inc. Spn.) 12.30, 2.45.

S.55. B.35. Late Show Nichtly 11.15.

Secris Bible. Lick Sur.

SCENE J. Late. So., (Wardour Sci. 439

SCENE J. Late. So., (Wardour Sci. 439

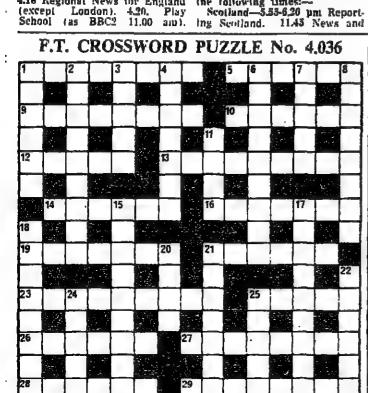
TOUING FRANCENTON DAA. 7.40.

5.20. B.55. SILENT MOONE (A). 3.35.

7.35. Late. show Fri. and Sat. 10.55.

STUDIO 1 & S., Ordors Chees: 437 3300. STUDIO 1 & E. Oxford Chrus: 437 3300: Licenses St. 12. 145 4.05. 1: THE DESERBLURYER OX. 12.45 4.05. 7.50. Late Show Sct. 10.50. 31 Agenta Christin: DEATH ON THE MILE 4A) Proce 2.10, 5.25, 8.10. Late Show Sat. 10.40.

constitution of ART GALLERIES



4.18 Regional News for England the following times:—
(except London). 4.20. Play Scotland—5.53-6.20 pm Report-

ACROSS 1 Value of total sales in pastry

- 5 Walk with goblin from the
- south (6) 9 Lad embracing handsome woman is tagged (8)

10 Sly about gun put back com-

- 12 Gold cut off top of deck (5) 13 Check light for important game (4-5) 14 A small drink for each little
- 16 Scrape away profit (4-3) 19 Bridge or other card game 20 Fastener made by hand? (4)
- 21 Do pray for a change in 23 He present at a race and burlesque imitation (6) 24 Distribute a tax set up (5) 23 Most ignorant however (9)
- 25 Machinery to set in position 25 Stick head round pole (5) 26 I'll fish around for support
- 27 Vital jewel for old cops (8) 28 Meets Oriental returning in favourable regard (6) 29 Gave evidence at trial before
- editor (8) DOWN 1 Everybody in tow could be
- 2 Rising although unusually ill on beer (9)
- 3 Flower that beast has to 4 One who puts up eastern

tion, 420 The Sooty Show, 4.45 Enid Blyton's Famous Pive, 5.15 5.45 News. 6.00 Thames News, 6.05 Father Dear Father.

1053kHz/285m 1089kHz/275m

209kHz: 330m

RADIO 1

6.35 Crossroads. 7.98 Don't Just Sit There.

Radio Wavelengths 3 1215kHz/247m

4 2006/ilz/1500m

RADIO 1
(5) Stare-ophonic broadcast.

† Medium wave
5 00 am #5 Radio 2 6.09 Andy
Peebles 5.00 Peter Powell. 11.00
Radio 1 Roc-dictions 12.30 pm Newsbert. 12.45 Pant Burnett. 2.00 Torry
Blackburn 4.31 Kid Jensen. 7.00
Radio 2 Mailter 8.00 Mive Rend 9.50
Newsbeat 10.00 John Peel (5). 12.005.00 am As Radio 2
VHF Radios 1 and 2—5.00 am With
Radio 2. 8 00 Listum To The Band (5)
Tee Magic of the Missicals (5). 9.02
With Radio 1. 12.00-5.00 am With
Radio 2. RADIO 3 #3.55 am Weather. 7.00 News. 7.05
Your Midwreer, Choice, part 1 (S). 8.00
News. 8.05 Your Midweel. Choice,
part 2 (S). 8.56 Rural Rhymee. 9.00
News. 9.05 This Week's Composer:
Busoni (S). 10.90 Music For Organ
(S). 10.36 C. P. E. and J. S. Bach
flute and harpschord tectal. 11.15
Robin Followay (S). 12.25 pm Royal
Liverpool Philharmonic Orchestra concert, part 1 (S). 1.00 News. 1.05
RLPO, part 2 (S). 2.25 Fifty Years
of British Music (S). 2.56 A Compart
of Czech Music, part 1 (S). 3.30

1458kHz, 206m & 94.9vhi 1151LHz, 281m & 97.3whr

11.15

12.25 pm Royal

12.25 p BBC Radio London London Broadcasting 5.00 am Moraing Music. 6.00 The AM Show. 10.00 Brian Hayes. 1.00-2.00 pm LBC Resorts with George Gain at 3.00. 8.00 After Eight. 9.00 Night-line. 1.00 am Night Extre.

12.13 am Close: Actor Hugh SCOTTISH

10.35 am All Shalls and Sauerkraut.
11.00 The Royer Whitaker Show. 11.25
The Southerners. 11.56 Carroon. 1.25
pm Rowa. 5.15 Popcye. 5.20 Crossroads. 6.00 Scotland Today—Summer
Fitta. 8.30 Tolking Scots. 11.30 Late
Call 11.35 The Entertainers—Vince Hilt. teom All IBA Regions as London except at the following times:— ANGLIA

10.30 am All Socies and Souerkraut.

11.00 The Roger Whiteler Show 11.25
The Southerners 11.55 Cartoon Time.
1.25 pm Anglia News. 2.00 Housepart.

5 15 Mr. and Mrs 6.00 About Anglia.

11.30 Power Without Glory. 12.30 am
The Bie Guestion.

10.35 am All Smalls and Squeri raint
11.00 Unitariated World. 11.20 Clopper
Custle. 11.30 Stepping Stones. 11.50
The Reyal Warden. 1.30 pm Southern
News, 2.00 Houseparty. 3.50 Emmerdale Ferm. 5.15 Dick Trauey Cartoon.
5.20 Crossroads. 6.00 Day by Day.
5.36 Scene Midweek (South-Eust area
only). 11.30 Southorn News Extra.
11.40 George Hamilton IV.

11.40 George Hamilton IV.

TINE TEES

8.25 am The Good Word I clinwed by North East News Heedlines. 10.30 All Smalls and Sauerkratt. 11.00 The Roger Whitsher Show. 11.25 The Southerness 11.35 Cartoon Time. 1.20 pm North East News and Lookaround and Where The Jobs Are. 5.15 The Brady Bunch 6.00 Northern Life 11.30 Police Woman. 12.30 am Epilogue.

12.30 am Epilogue.

ULSTER

10.30 am All Stands and Sauerkraut.
11.00 Roger Whittaker Show. 11.25
The Southerners. 11.55 Carragan. 1.20
pm Lunchtime 4.18 Ulster News Moudlines. 5.15 Cartoon Time 5.20 Crossroads. 6.00 Ulster Television News.
6.15 The Sound of . . . The Settlers.
6.30 The Finistanes. 11.20 Take The
Mick. 11.55 Bodame.

6.00 am Graham Done's Breakfast Show (S). 9.00 Michael Aspel (S) 12.00 Dave Cech (S). 2.00 pra Peter Young (S). 7.00 London Today (S). 7.30 Jazz or a Summer Day with Adrian Love (S). 9.00 Nichy Horra's Your Mother Wouldn't Live It (S) 11.00 Mike Allen's Line Show (S). 2.00 am Duncan Johnson's Night Flight 151.

CAMPRIDGE 01-035 BOSE Also opens
Sun. 11 em-7 pm. CC. 01-035 7040.

Hon.-Thur. 8.00. Fri. and Sats. 5.00 and
THE CRITICS RAVED ABOUT . . .

CHICAGO
THE HTT EROADWAY MUSICAL
FROM AUG. 6 Mpn. to Fri. 8 pm.
Thur. 3. Sat. 5 and 8.10 pm.
Green bookings 01-437 8856.

Student stand-by \$1.50

ORURY LAME. CC. DI-SIS BIDE.
Eva. 8 pm. Friday mad at 6 pm and
The Rio Extravanana
BRASH. TROPECAL
The dancers plurate oscillate and
putable while topless, yet retaining their
butbles. hangles and heads." Ev. News.
BOOK NGW-ESASON ENGS SAT.

be missed. S. Express. "The rumman script he Mara Bothers ever wro.e. Daily Made.

NATIONAL: THEATRE S CC. 928 2252.

QLIVIER (appen grael: Ton't 7.9 flow price 12 by Snakespeare. LYTLE-FOM processors. State of the state of th

OLD TIME MUSIC HALL SCATTING DEVEK
G-WIRTH.

OPEN SPACE 387 5859. Tues.-Sun. 8 pm.
David Mamery A LIFE IN THE THEAT SEL
FERGURE Lones and Patrick Ryecar
give impressive performances. 8 erre
laughs." Time Out.

PALACE.

OLD SPACE SO. PM. Sat. 6 30. 840
1840 Cherry Supressive 8.40
by Tim Rice and Andrew Lidyd-Wobbor.

PALLADIUM.

CC. 01-437 7373.

PALLADIUM.

CC. 01-437 7373.

TUE SELEC CHERRY SUPRESTAB
BY TIM Rice and Andrew Lidyd-Wobbor.

PALLADIUM.

CC. 01-437 7373.

TUE STORM AND MICK cond.

HOTELINE 01-437 2055

PHOENIX THEATRE CC. 01-836 2294.

ETS. 2.00. Med. 3.00. Als. SvO. 300
MAGGIE SO. MICK TAND DAS SOWER in
A new play by IDM STOPPARD
DICESED by Peter Wood
USST PLAY OF THE YEAR

Evening Stabland Dirady Award

PICCADILLY. From 8.30 am Incl. Supre.

CC. 1771.

Directed by Marcial Prince

PRINCE OF WALES. CC. 01-930 8691.
Card bookings 930 0848. Mon.; This.
8.00. Fri. and 545. 6.00 and 8.45.
M.Charl Denison. Dutic Gray

ALAN A VCKBOURN'S smash-bit comedy

BEDROOM FARCE
"If You don't issue, see me." D. Esp.

A Najional Tractice Production.
Over 500 performances.

QUEEN'S THEATIE. S' CC. 01-734 1716.
EVES. B. Sale. S and 8.15. Wed. met. 3.

GEMMA. PATRICIA.
JONES HARROUS. D. Tel.

"AND A SECURITY CALLED.

RAYMOND REVUERAR CC. 739 1893 At 7.00 9.00: 11.00 p.m. Open Sins. Paul Raymond presents THE FESTIVAL OF BROTICA 2 2nd densitional year Full air Contingent

MARLEORDISCH, 6. Albemarie St., W.1. EGON SCHIELE. Emblition of water-colours and drawings, until \$1 Angust. Men.-Fri. 10-5.20, Set. 10-52.30. Model of Services States of Services States Services Serv

AND THE RESERVE OF THE PARTY OF

Television

Sec.

Out of a summer sky by CHRIS DUNKLEY

Having roundly berated the Sporting Club, and Blue The same company's Mary-reactions to them. It would Watching it is a small habit-recently for the trashiness of their Summer season and the Gossip From The Forest was also have impressive records: 10 one character (Ernie Bishop)

Another new ATV series has absence of fresh materials and of the same company's Mary-reactions to them. It would Watching it is a small habit-recently for the trashiness of the same company's Mary-reactions to them. It would watching it is a small habit-recently for the trashiness of the same company's Mary-reactions to them. It would watching it is a small habit-recently for the trashiness of the same company's Mary-reactions to them. It would watching it is a small habit-recently for the trashiness of the same company's Mary-reactions to them. It would watching it is a small habit-recently for the trashiness of the same company's Mary-reactions to them. It would watching it is a small habit-recently for the trashiness of the same company's Mary-reactions to them. It would watching it is a small habit-recently for the trashiness of the same company's Mary-reactions to them. It would watching it is a small habit-recently for the trashiness of the same company's Mary-reactions to them. It would watching it is a small habit-recently for the trashiness of the same company's Mary-reactions to them. It would watching it is a small habit-recently for the trashiness of the same company's Mary-reactions to them. It would watching it is a small habit-recently for the trashiness of the same company's Mary-reactions to them. It would watching it is a small habit-recently for the trashiness of the same company's Mary-reactions to the same company in the same company is a small habit-recently for the trashiness of the same company is a small habit-recently for the trashiness of the same company is a small habit-recently for the trashiness of the same company is a small habit-recently for the same company is a small habit-recently for the same compa

have started reaching the screen all of a sudden leaves a lot toquantity, is quite impressive. especially from ITV which over the last fortnight in addition to a) collection of new midweek scries has produced something like a brand new weekend schedule.

The most significant contribution to it so far has been Gossip From The Forest, the first in a series of Granada plays under the umbrella title "Screenplay." It was a long. rather slow, minutely observed drama about the men who signed the armistice in a railway carriage parked in a siding in the forest of Complegne in 1918. read like a register of award winners: Joey, Hospital 1922, towards a second world war. Where Adam Stood, Billion Hugh Burden was a memorably Vollar Bubble, Dinner At The intransigent Fock.

living composers from three time. different countries Eliott Cor

Michael Tippett. Tippett's A vision whose textures and Child of our Time dates from dramatic curves are not diffi-

reviewed already on this page, but seen through hau-chosen in 1977, and after its first eyes they blend, give an impression of space and distance. British performance last March, sion of space and distance. Sometimes they have, atmost

marked on the richness and out of sight, at bird's view; at

(for Carter especially) the sen other times they rush close suous and dramatic quality of across the face of the music the score—and: on its com- like driven clouds.

ings, this short but exception still the most satisfying from

Carter, Witold Lutoslawski and

the war years; but the works by

Carter and Lutosiawski were

tively three and four years ago. Elliott Carter's Symphony for three orchestras has been

piexity. Even after three hear-

ally dense canvas, a tracery of scurrying melodies and shim-

Theater des Westens, Berlin

recent, composed respec-

the new programmes which vision viewers will lose Gibson ing contributions to the modern to the cinema sooner rather journalism-of-the-cities.
Than later, just as they have lost Sure enough there Savouring.

Like so much of his work, Gossip From The Forest evoked a strong and moving atmos-phere, particularly in the opening half hour, as the delegates, moved slowly through rendezvous. Gibson's rain is so get a thick ear in Maryport is wet and his forests so woody to call the place a dump" that one begins to wonder (unlike which other town?) that one begins to wonder whether there is a naise or a dryad somewhere in the family. One of his greatest achieve-ments in this film was to convey, without any overt reference to the subject, the contributed to the

Hugh Burden in "Gossip from the Forest"

Carter, Lutoslawski

Monday night's three-part pressed the seeds of an hour in their own ranks a young Prom was divided between three of music into one quarter that trumpeter who can give with

Compressed: but for all that,

given free rein to a poetical

cult to percaive—the very speed at which the detail of the argu-

ment dashes past forces the attention to the broad surface

and line. The scene changes taken individually, like frames

of a film, are breathlessly fast; but seen through half-closed

The final pages are perhaps

Its highest point the piece takes breath falls in a series

scurrying meiodies and shim-mering colours, does not offer up its inner life easily. Crumb's dizzying dive into darkness, and character, secure technique, and Star Child, heard at last Fri-day's Prom. puffed up perhaps. Orchestra's performance under haps: the quiet close to the five or ten minutes' worth of David Atherton has gained music, like that of the poem, is

five or ten minutes worth of David Atherton has gained music, like that of the poem, is ideas into the space of 40 much in strength and confidence briefly, and unexpectedly.

Wie einst im Mai

Following the box office suc- farce with some songs added by fortune heads for ruin); the cess of Cabaret (an average Walter Kollo. The original splendid ballroom of the "Kroll-

sketch by Schanzer and Ber-

dealt with the history of the city blooded wastrel; and a garden-

ance). Karl Vibach brought back dealt with the bistory of the city to be matched with a blue-

the tradition of Berlin Opercita itself in the fate of two families swing in May, supplying the

to the newly renovated and in the age of the locomotive- motif for a nostalgic love story

reopened Theater des Westens, the public loved it! Years later, that spans three generations.

The public throughout Germany 1924, Walter and Willi-Kollo, Another is an ensemble of

has waited so long for a revival now a father-son team, col- musicians and

minutes; in his Symphony, in four months—and by happy disturbed.

Carter seems to have com- chance they have even found

Sure enough there was a said Maryport had a "human quality" (which town hasn't?) and that it is a one-class town (the fisherman and the Lord of the Manor's agent proved otherwise in their interviews) mud and endless rain to their and that "the quickest way to

As an investigation it lacked rigorousness, and as a portrait it lacked breadth. It certainly had atmosphere but who, given Mitchell's camera and Mitchell's budget, could fail to get atmosphere out of a decaying historic seaside town?

Granada's third offering, This ingland, was a fascinating little programme about deaths in the long running soap opera Coronation Street and public

perfect confidence the opening

solo which last March the prin-

cipal trumpet found too difficult

Lutoslawski's Les capaces du

thunder-clap the solo voice (rather predictably) emerges floating still and plaintive. A

pretty, civilised piece that offers

Opera," where the daughter is

make the show work.

The high point of the evening

'to play.

absence of fresh material—and not one of his best, but since producer Denis Mitchell is reindeed anything really worth a midding Gibson film is vastly nowned for Morning In The such as Martha Longhurst who while—it is only fair now to superior to anything else in a Streets and other document acknowledge that the hiatus normal month's programmes, it tarles, and Ray Gosling, his part London Weekend Television appears to be over.

Was well worth watching ner in a sub Socratic dialogue, has contributed two new summer spasm; Cannon And Ball and Doctors And Nurses. The first is a conventional halfbe desired; they would not most of the efforts of Ken sharp poignancy about their hour slot for a pair of stand-up qualify for the competitive Russell. Jack Gold and Peter study of a moribund coastal comedians who are quite a lot standards of the antum. Watkins. So all Gibson's town on the Solway Firth. But more entertaining than some schedules. However, the sheer television material is worth it was spoiled by Gosling's we've seen on television. In it was spoiled by Gosling's we've seen on television. In periodic naivety, as when he said Maryport had a "human your real name? No it's really Flora Margarine but I don't like

to spread it around) who is the

comedians of the same size team

up the world will end) has one

minutes is exactly the right little aircraft as they came in

to go into all the baroque intri-cocies of the joke in which the surgeon in the operating theatre the bright and boxy seroplanes

pieces in formaldebyde were

cherishable gags.

ATV's series Jack On The Box
has a TV Times entry which is

those involved.

In this respect is brought to
mind two other addity enjoyable pursues his lost love Maggie an astonishing rally in the Isle sion of Le Corsaire. In both, through a series of six films."

All too often Jack Trevor Story looks—as he ascends with seemingly unwiting allegory in a hot who had made the famous of her arms, take one far from Royal Shakespeare company a in November.

cursive, episodic, indulgent plaintive, pathetic, self-pitying series but underneath all that it profoundly self-satisfied.

of those smiles which make you laugh for no reason at all. However, the absence of Morecambe and Wise becomes more, not less, noticeable as time passes, and with the Two Ronnies also off the screen the sense of watching the third eleven have a go is very power-Doctors And Nurses takes the dramatically simple idea ex-ploited in "Bugsy Malone" and transfers it to a hospital: the staff are all played by children. In this instance there are some adults, though if Episode 1 is a fair guide they will act mainly s the butts of jokes. Since it delights children to see the director Laurie Choat with an tables turned and adults being extraordinary logistical probpatronised this detail makes the series ideal for its Sunday teatime slot. Furthermore, 15

We do not have the space here

"Spencer Wills clip!"
"Mop!"

"Two-pound hammer!"

just a teeny bit precious: "The comic novelist eccentrically pursues his lost love Maggie an astonishing rally in the Isle sion of through a series of six films." of Nan, and Numples And the se All too often Jack Trevor Story Shepherds in which the original style. air balloon, or rolls out of bed for the camera—as though he is adults. trying just a little too hard to live up to the billing.
On the surface it is a

meandering, undisciplined, dis- vision.

Open Air Theatre, Regents Park.

Biggins. who directs this are trifle of Bernard Shaw, would issue his actors with loud hailers. There really seems little point in going as far as natural setting-gulls and crashsommeil is a setting for baritone ing waves on sound effects to and orchestra of a poem by establish that we are on the Robert Desnos. It is a nocturne terrace of a seaside hotel in this which makes its effect (in vivid lunchtime production—without going even further. When you contrast to the Carter) with simple, economical brush-strokes hear so feckless a line as "It's of colour—a patter of pizzicato strings; a curl of flutes; and always a profusion of characso jolly to be reckless" pumped out by Philippa Gail, the laughter derives from relief at teristic swirling shapes, of flute hearing a full sentence, not and clarinet, celesta and harp, necessarily from recognition of underpinned by dark string chords: There is a busy and wivid climax, from whose last

That said, Mr. Biggins does very well under the ridiculous circumstances. The frivol in volves two married couples who have exchanged partners in the time-honoured custom of ship board romance. Desmond Mac Carthy complained that the 1927 Everyman production tool little account of the comedy's artificiality. He would not com-plain on those grounds in Regent's Park; the square dance is briskly entered upon and the performances, especially that of flirtatious moralist, Gregory Lunn, are admirable.

to be one of West Berlin's ing the war, in 1966 and 1978, Ottilie von Henkeshofen and biggest commercial hits. It is not well enough known schweig and Lübeck attempted pair) are natural and unassumthat, back at the turn of the to stage the show with limited ing in letting the story tell rentury, Berlin stood just behind personnel and as much success itself without the usual uppersonnel and as much success.

Owing to the public demand

a title which, for reasons best

known to the producers, has

been chopped down from writer

explanatory Tropic Of Ruislip to

the unfunny and confusing Tropic. Sex and social climbing

in the dormitory suburbs is a

seated urge for a second car

there's very few Christenings these days" then it will not

time great television comedies.

series' favour, however, is that

correspondents who write me more letters of complaint on

now extends to Thundercloud as

Great Tiger Moth Air Race.

Being a very straightforward

completely unpretentious record

of the eathering together and

biplanes from Hatfield to Strath-

allan, it must have presented producer Bernard Clark and

extraordinary logistical prob-

lem. Yet somehow they seemed

to have a camera crew on the

ground to greet the astonishing

There was some glorious foot-

age of English countryside with

-hike something that had chun-

Great Double Bass Race about

stop along the course.

The most enjoyable BBC pro-

well as Tropic.

Eestival Hall

Gala Ballet Season

by CLEMENT CRISP

The week of pirouettes and foueties which started on Monday at the Festival Hall might well pass itself off as "All you ever wanted to know about clas-Leslie Thomas's funny and sical hallet and didn't like to ask your doctor. It is an omniumgatherum of choreographic cliches, redeemed by a couple of exceptional performances. rich area for comedy. but if this and trading heavily upon the series cannot do better than to assumption that if they spin have the vicar complain "What hard enough they must be worth with the pill and women's deep watching. There are dwarfish approximations of Swan Lake's second act and the final scene of Sleeping Beauty framing a expect to rank among the all- grab-bag of solos and duets, in ime great television comedies. which are to be found Martine One thing very much in the van Hamel, Galina Samsova and Peter Schaufuss as jewels amid ATV has given it no laughter the paste. track. In this it is following a Miss van Hamel, whom we recent trend (which will please saw, with American Ballet

saw with American Ballet Theatre a couple of years ago. is a joy. She is the Odette of this subject than any other the evening, discreetly partnered except pronunciation) which by Kevin McKenzie, and her by Kevin McKenzie, and her screne, creamy style argues an interpreter deserving of far better things than the surroundgramme of the week was The ings in which she finds herself. Her beautiful line, her musicality, the respect she shows the choreography, are a pleasure to watch, and two other items in which she appears confirm her as an artist of exceptional quality. In Lynn Seymour's jokey Tamoord Lady she offers us a sleazy corner of the Weimar Republic (Weill tunes from the Dreigroscitenoper; lubricious antics in a bar); but best of all she performs Lar Lubovich's Skruabin Dances.

to land at every intermediate These look like a tribute to Isadora, and Miss van Hamel pours into them glories of longpulsed, ecstatic dancing of the greatest beauty. The first of these three Skryabin piano tered in from an animated studies seems done in a single cartoon—in the foreground. But the real attraction of the promagnificent phrase; the other two are no less compelling as but that and the piggy bank duction came from the enjoy she rushes, or pauses, filling ment and the camaraderie of each with dancing rich in lone. subtle in rubato. She is an artist to treasure.

Galina Samsova is seen as programmes, both musical: The the Aurora of the evening, and also returns in her special ver-Peter Schaufuss, not well shell of the burnt-out Memorial postponed.



matched with Samsova, could Bhakii duet — its exolicism still show a brightness of suiting them for better than virtuosity that told of true the brutalised rouguishnes of classic understanding.

For the rest, Maina Gielgud Morishita and Toko Shimlzu did what they did as powerful, idiomatic advocates Beaug's Bluchird couple and for the curried tosh of Bejart's in Don Quixote's duet.

Sorrée Musicale - and Yoko

Stratford auditorium plan shelved

A £600,000 plan to give the Theatre, was scheduled to open record were re-assembled as this trumpery occasion to a third auditorium at Stratford. The opening production of the region of noble eloquence of has been shelved—because the new auditorium was to have expression. In Beauty Kevin company can't raise the cash, been All's Well That Enris Well, The common denominator is expression. In Beauty Kevin company can't raise the cash, heen All's Well That Entis Well, a fond and shared obsession and McKenzie displayed a clean. The new auditorium, which and Dench and Peggy nothing makes for better tele- unaffected style; in Corsaire was to be converted from the Ashcroft. This has now been

Overruled

I rather wish that Christophe:

Geoffrey Colvile is unusual casting for the role of a romantic Englishman for whom passion is nothing without guilt. And, as his temporary lover, Jo Ross contributes a grotesque hauteur that will be all the more effective when she learns not to tread on her own dress. There can be only one upshot of such civilised buffoonery, a shared table at dinner. route, there is a goodly properformers fusion of sharp mots on the laborated for the first time on gradually learning the ropes in subject of married life, and Mr. of Walter and Willi Kollo's Wie an operetta, Marierta. For the blending acting, dancing, and Biggins is not slow to point up count im Mai (Once in May) that the production will probably turn laid the groundwork for a Vibach is still leaning too hypocrisy of those who invoke run the entire summer to new, operatia version of Wie heavily on names and gimmicks moral principle as an excuse accommodate the season's einst im Mai in 1943, shortly to draw a crowd, but Angela, for actual conduct, tourists. It could even turn out after the father's death. Follow Müthel and Wolfgang Ziffer (as:

MICHAEL COVENEY

for this entertainment after its successful tour of Australia earlier this year, the Old Vic company is presenting a special Sunday performance of The Lunatic, the Lover and the of diverse and complementary the first locomotive rolled down year before, in 1912, Kollo complete the first locomotive rolled down year before, in 1912, Kollo complete the first locomotive rolled down year before, in 1912, Kollo complete the first locomotive rolled down year before, in 1912, Kollo complete the first locomotive rolled down year before, in 1912, Kollo complete the first locomotive rolled down year before, in 1912, Kollo complete the first locomotive rolled down year before, in 1912, Kollo complete the first locomotive rolled down year before, in 1912, Kollo complete the first locomotive rolled down year before, in 1912, Kollo complete the first locomotive rolled down year before, in 1912, Kollo complete the first locomotive rolled down year before, in 1912, Kollo complete the first locomotive rolled down in the popular. Untern Linden and the important musical complete the first locomotive rolled down in the first locomotive rolled down and Julian Glover on August 5. After this performance, in the not too distant daughter falls in love with a Filmzauber, ran non-stop for formance, directed by Tony Robertson, the two stars leave future.

**Duce in May first appeared as to emigrate to America and became the city's troubadour.

**Duce in May first appeared as to emigrate to America and became the city's troubadour.

**Posse mit Gesang in 1943, a mass riches while the Baron's Ronald Holloway Poet by Jane McCulloch with

What does the future hold for Korea?

Will the development momentum be maintained? What are the problems and potentialities of doing business in Korea? What is the view of the world financial markets on the outlook for the developing industrial countries?

These and many other questions will be examined and discussed at 'Korea in the 1980's' a conference to be arranged in Seoul on September 12 & 13, 1979 by the Financial Times and the Korean Traders Association.

Among the speakers will be Minister Hyon-Hwack Shin, Deputy Prime Minister and Minister of Economic Planning, Seoul; Sir Roy Denman KCB, CMG, Director General, External

Relations, Commission of the European Communities; Minister Kim Won Ki, Minister of Finance, Seoul: The Hon William Gleysteen Jr, United States Ambassador to Korea; Mr Choong Hoon Park, Chairman and President, Korean Traders Association; Professor Noritake Kobayashi, Keio University, Japan.

If you, or your company, have interests in Korea, 'Korea in the 1980's' will give you a most useful insight into the future of this important area.

For full details of the agenda, and registration procedure, complete and return the coupon below without delay.

KOREA N THE 1980's

To: The Financial Times Limited, Conference Organisation. 'KOREA IN THE 1980's', Bracken House, 10 Cannon Street, London EC4P 4BY.

Please send me full details of your Conference: 'Korea in the 1980's'.

	 -	

A FINANCIAL TIMES CONFERENCE

Paris and Vienna in the field of —musicals and operatias require staging common to musicals in operatia. The magnificence of a special kind of care-and-breed-subsidised theatres. They simply Jacques Offenbach and Johann ing to be at all successful.

Strauss was never equalled, but There are several reasons three composers Paul Lincke why Berliners are flocking to is a song: Walter Kollo's "Das (Frau Luna), Jean Gilbert (Die the Theater des Westens. One war in Schöneberg im Monat keusche Susonne), Watter Kollo is a tribute to the old city in Mai"— a Berlin chanson every (Wie einst im Mai)—did match its heyday; there's the Pots old-timer nere can sing by heart their contemporaries as a trio damer Bahnhof in 1838, when since first heard in 1913. One of diverse and complamentary of diverse and complementary the first locomotive rolled down year before, in 1912, Kollo com-

of Walter and Willi Kollo's-Wie

FINANCIALTIMES

Bracken House, Cannon Street, London Ecap 4by -Telegrams: Finantimo, London PS4. Telex: 886341/2, 883897

Telephone: 01-248 8000

Wednesday August 1 1979

Sterling and the CBI

THE VERY SHARP correction ties may be relieved of a in sterling in the currency mar- potential dilemma. yesterday actually provoked a small rally in the now well aware that sterling's long, steep rise has taken it too high for the comfort of any industry exposed to foreign competition, and any relief from survey of industrial opinion the Confederation of British Industry shows that industrial managers have also belenge of a strong exchange rate, and reflects considerable gloom about the short-term outlook.

The risks

It is notable, however, that the CBI in its economic assessment does not call for any high wages. change in Government policy to relieve present pressures; and indeed substantial relief still seems unlikely. The present cor-Such movements tend to gather self-justifying. The correction dollar panic persist, the yesterday in fact only cancelled Government's fiscal policies may sterling-dollar movement which have argued since the Budget, has been coing on for some a public sector financing CAP ment in one day, and may be private credit demand is enough to remind market par- strong. ticipants of the risks of follow-ing a trend too far. The market may now be more rational.

Awkward corner

This is very important for sterling in particular, because the pound is peculiarly exposed to changes in sentiment about the dollar. Because of our infla-tionary problems, the UK monetary authorities are much more reluctant to intervene in the exchange markets than those in other strong-currency countries. This makes the value of sterling far more responsive to any flight from the dollar on inflation can operate withthan the value of other currencies. If a new chairman of friction. In these circumstances the Federal Reserve Board, the grim realism of the CBI highly respected among inter- survey is more promising than national bankers, and an any easy optimism. The improvement in the U.S. balance greater the realism on both of payments as the long-forecast recession at last sets in ful will be the withdrawal have combined to stabilise the symptoms from a decade of dollar, then the British authori-inflation.

The nature of that dilemma

is made clear by the CBI survey. equity market. Investors are The UK economy is at present rounding an awkward corner. The Government has embarked boldly on tax cuts, but is still struggling to get expenditure under control. At the same time real incomes and the the seemingly remorseless time real incomes and the squeeze on profit margins is demand for consumer credit therefore welcomed. The latest reflect the strong recovery from reflect the strong recovery from last winter's disruption, and the gap in time between excessive wage settlements and the resulting price increases. The result come sharply aware of the chal- is an excessive demand for credit, high interest rates, and a very weak current account of and the balance of payments. At a time when the dollar has been weak, this has had the paradoxical result of accelerating the rise in sterling and re-doubling the pressure on profit margins already imposed by

Fundamentals

These pressures will be much rection is welcome not because it more easily sustained if the promises an easy environment flight from the dollar now for industry, which it does not, abates, and it credit demand in but because it may reflect the the UK—especially consumer end of a phase of unhealthy credit demand—falls, as is exspeculation against the dollar, pected, to a more normal level within the next few weeks. If an excessive momentum as these conditions are not ful-investors' expectations become filled, and crowding out and self-justifying. The correction dollar panic persist, the about the last two weeks of a need to be re-examined. As we months, but it is a large move- of over £9hu does pose risks if However, a small change of

course will not alter the fundamentals: a determined policy of monetary restraint, in an economy which is now self-sufficient in oil, is bound to produce a strong exchange rate. supports the Government's monetary and economic objectives, is right to argue that industry itself must find the answer to the challenge of a strong rate, by checking the rise in unit costs. That is why the winter wage round will be the crucial test; it will establish whether the monetary brakes out widespread and destructive The sides next winter, the less pain-

The leadership of India

INDIA IS an immense and diverse country which, somewhat like the United States. looks to its head of government for strong leadership. The sharp communal divisions between Moslems and Hindus are matched by possibly even sharper condicts between the multitude of Hindu castes and those 100m Harijans (Untouchables) who have no place in the caste system. The Hindi-speaking belt of the north holds in disdain the Dravidian peoples of the south. Bengalis, Marathis. Tamils and Gujeratis regional languages and culture.

Image

Jawarhiai Nehru was able to establish a sense of national identity beyond the particular claims of caste or religion by pressing the common cause of independence against British. His daughter. Mrs. Gandhi, was "Hataji" or Gandhi, was Mother to many Indians during tions. her Premiership. She created a reputation across India as champion of the interests of the poor and the minority communities. But as industrial un- man who will eventually take rest and political violence over the Premiership. He has spread in 1974, she fell victim held most of the senior posts to the tempting belief that of government in former Conauthoritarian rule would pro- gress administrations and is vide a quick, clear-cut solution to the complex economic and social problems that faced her. The Emergency merely pushed them under the carpet.

As Prime Minister, Mr. Morarji Desai, never managed to project an all-India image. often idiosyncratic beliefs, attenuve to his own voice but a poor listener when it came to taking account of the views of others. After the surge of enthusiasm that carried his Janata party to power, he was unwilling to continue with that moulding of public opinion towards national ends that is needed in India. His Premiership collapsed in communal and caste strife, in industrial unrest and an unpre-

cedented mutiny by the police.

Premier, tries to enlist the support of Mrs. Chandhi, his former opponent whom he has attempted to put on trial on criminal charges is an abuse of democratic procedures. The comforting feature should be that the economy of India is basically in sounder shape than

most Indians seem to think.

A favourable economic situation does not make up, however, for the absence of strong national leadership in a country now more conscious of its divisions than its success. There are a number of constants around which the more enduring post war administrations have stood their ground. These include a determinedly secular stance, an economic policy pitched left of centre to accommodate popular bitterness at disparities of wealth, and a federal structure that is sensitive to regional differences. After the failure of the Emergency, they also include a comor mitment to democratic institu-

These constants of Indian politics increasingly point to Mr. Jagjivan Ram, now the leader of the opposition, as the acceptable to former Congress leaders who now hold the balance of power.

Successor

Though the representative of the Harijan community, he is not so partisan in support of his immediate followers as Mr. Charan Singh has been of the prosperous northern farming community from which he gets his strongest backing. Mr. Charan Singh seems unlikely to survive the vote of confidence

in Parliament due next month. Mr. Ram is an able administrator. He would probably have been Prime Minister in place of Mr. Desai in 1977 but for an un-lucky turn of the wheel. He has been too long a manipulator in the Indian political game to be Indians have good cause to be the most inspiring of successors. disgusted by the political But many in Delhi expect him squabbling now taking place in to emerge on top—and he is Delhi over the Premiership. By the standards of any democracy around whom a national conthe horse trading going on as census can develop to carry Mr. Charan Singh, the new India through its present crisis



The Commonwealth conference risks becoming a dialogue of the deaf over Rhodesia. But there is some small room for hope

Glimmers amid Lusaka's gloom

ference that opens here I today will be dominated by Rhodesia, and the air of resigned gloom hanging over the majority of the delegations during their arrival here sug-gests there is little cause for optimism about the outcome. The Rhodesian problem has been around for so long, and its history has been

so depressingly consistent. It is 18 years since the search for a long-term solution began with the 1961 constitutional conference. It is 14 years since Ian Smith's unilateral declaration of independence. During that period, there have been literally dozens of fresh initiatives, new constitutional pro-posals, and "last chance " solutions for Rhodesia. Every one has run aground on a rock labelled "too little and too

In the last seven years, the guerrilla war inside Rhodesia has built up from a few minor skirmishes to a situation where somebody is being killed every hour of the day. Already, it is estimated to have claimed 12,000 lives. Both in Whitehall and in the African capitals, there is a growing feeling that the war has acquired a momentum of its own and that a fight to the finish on the battlefield may be the only way that the last chapter of the

Rhodesian story can be written. Mrs. Thatcher and Lord Carrington, the Foreign Secretary. have arived here with a clearlystated policy framework within which to launch yet another initiative. They believe that Mr. Smith's internal settlement and the elections which followed it last April, bringing Bishop Muzorewa to power, have created a new situation which must be built on, and they would like the Commonwealth to

agree with this perspective. Yet they have also come prepared to agree with Commonwealth criticism that the internal settlement constitution, which gives whites power out of all proportion to their numbers, must be changed. They constitution which would be broadly comparable with those inherited by other former African colonies at indepen-

They are coming here hoping for a constructive dialogue, ready both to listen and to learn, and ready to talk to anyone who in their view can help to resolve the issue. It is not ruled out that this process of consultation will include a meeting outside the framework of the conference with either or both of the Patriotic Front leaders.

Sir Hugh Weeks, now aged

HE Commonwealth con- Mr. Joshua Nkomo and Mr. different reality in Rhodesia Robert Mugabe.

> Mrs. Thatcher flew on Monday night is hardly conducive to constructive dialogue, there is deep hostility to her personally. On the morning before our Prime Minister arrived, President Kaunda of Zambia delivered himself of a highly personalised and public attack. But he was saving nothing more in public than African leaders have been saying in private. Then yesterday, the Lagos Government announced that it was nationalising British Petroleum's interests in Nigeria. The move appears to have been timed quite deliberately to coincide with the opening of the Commonwealth Conference.

The root cause of this hostility can be traced to the simple fact that Mrs. Thatcher has always taken a far more favourable view of the Rhodesian internal settlement and of the April elections than did her predecessor, Mr. Callaghan.

But the Prime Minister has compounded her problems by a series of public utterances which have created great antipathy in Africa. The most mportant of these was her recent statement in Australia that she very much doubted whether the British Parliament would renew Rhodesian sanctions in November.

African leaders were furious. The remark appeared to them to confirm suspicions that Mrs. Thatcher had already made up her mind to lift sanctions and that she was merely delaying doing so until the Commonwealth Conference was out of

On an even more basic level than this, other remarks by the Prime Minister have led African eaders to the belief that Mrs. Thatcher, more than any other British Prime Minister over the past two decades, is unsymbathetic to their problems, to their aspirations and to their fears. 'She doesn't understand us. and we have to teach her what life in Southern Africa is all about " That, expressed with varying degrees of rhetorical flourish, is the mood which has greeted her.

It will be a daugerous atmosphere, for Mrs. Thatcher has as strong a didactic streak in her as the Africans. The result could be a mutual attempt to educate the other in the realities of life which might merely end in mutual incomprehension and raised tempers.

If this does happen, it will be, above all, because Mrs. Thatcher -mirroring a large body of British opinion—sees a totally

than do the African states.

Take one key example of this But the atmosphere into which wide cultural and intellectual divide: the April elections. Mrs. Thatcher, and a substantial body of Tory opinion in Britain, saw the April elections in Rhodesia as a major break-

through. Bishop Muzorewa, a moderate to arms, won enthusiastic backing from a majority of blacks The 64 per cent turn-out was higher than people had reason to expect. Journalists and official observers reported widespread enthusiasm for the electoral process and for the

The Patriotic Front leaders, who were backed by Communist powers, had been invited to lay down their arms and participate, but had refused to do so. To a lot of people in Britain, Bishop Muzorewa acquired through that election a legitimacy that Ian Smith never had. Two former Foreign Secretaries, Lords Home and George-Brown,

也可能的方程的程序的 By DAVID PALMER and MARTIN DICKSON

in Lusaka

went on record as saying that the six principles which have formed the basis of British policy since UDI had now been Mrs. Thatcher has made a number of acid comments comparing the fairness of the electoral process in Rhodesia with the lack of democracy, as defines it. elsewhere in Africa. Seen from Africa, and the

perspective of men who have been fighting for 20 years for the liberation of Rhodesia, the elections were a carefully stage-managed fraud. The constitution under which they were Kaunda and President Nyerere held was designed to retain white hands on the levers of power. Above all, both the elections and the constituiton left a prominent role in politics for Ian Smith, now Zimbabwe-Rhodesia's Minister without Portfolio, and a man whom African leaders feel from bitter experience they can never trust.

In the African view, it was of the question for the Patriotic Front to accept Rhodesian invitation to lay down arms and take part in the elections. As they see it, it is the "freedom fighters" who forced Mr. Smith to make

meets their definition of "free and fair." "Freedom" means. to African leaders liberation. from white colonial rule. Rhodesia's constitution, drawn up by a regime in which Ian Smith. was a dominant force, does not

measure up to these standards.
But the danger that the dia-logue between Mrs. Thatcher and the African states will turainto a dialogue of the deaf only adds a new and complicating dimension to an already intract-able problem.

The only real solution to the Rhodesian problem is one which will also bring an end to the war. That would require the acceptance of all or most of. the five front-line states, one or both of the Patriotic Front leaders, almost certainly of the Nicerians and of the regime in Salisbury. Within that long list, there are enough personal rivairies, long histories of distrust and mutual suspicions to abort the best-laid plans.

Last autumn, for instance, a meeting of the five front-line leaders broke up in acrimony. The Nigerians and the Zambians had engineered a secret meeting in August between Mr. Nkome, and Mr. Smith. Mr. Nkome's fellow leader of the Patriotic Front, Robert Mugabe, woiced bitter suspicions both about Mr. Nkomo's ambitions and President Kaunda's role. Nigerian initiatives strained the friendship between President -and the Tanzanian leader in turn has little time for Mr. Nkomo. Relations between Tanzania and Nigeria, which had played a key role in the meeting, were for a time soured.

The picture presented so far in this article is a gloomy one. In the run-up to the Lusaka meeting, Mr. Malcolm Fraser, the Australian Prime Minister. has taken on himself the mantle of honest broker, trying to work can be accepted at Lusaka.

out a compromise formula which However, his talks in Lagos at the weekend with General Obasanjo, the Nigerian leader.

concessions. The war must go suftening in the Lagos Govern-on until he agrees to a genuine ment's hardline stance. Only majority rule settlement which hours after Mr. Fraser's departure, the Nigerians moved against BP. There are however some

Angola

other straws in the It is just multi-racial -- Commonwealth of nations will cut through the rhetoric, will break down the distrust and mutual misunderstanding that have haunted Rhodesia for so long and will emerge with an agreed compromise approach to a fresh initiative. Here are some countries, from which the of those straws which people are grasping more in hope than expectation.

The survival of the Commonwealth: The Queen's tour of-African Commonwealth states, ending with a rapturous recep-tion in Lusaka, has once again illustrated the links tying Britain's Head of State (as opposed to Britain's Government) to the Commonwealth need a settlement but that and the Commonwealth, states does not mean that after making to each other. There is a tangible desire to hold the institution together, and a recognition by all members that Rhodesia. could tear it apart, or even lead to Britain's expulsion.

The position of Bishop Muzerewa: there are signs that the positions of London and the African states are moving from opposite poles to some kind of common ground. In the rhetoric of the front line states, the Bishop is the stooge of lan Smith, a man who has sold out to the enemy and he is held in contempt for having

In Lordon and Washington, existing doubts about Muzocapabilities rewa's political have increased since his visit to the U.S. and Britain last month. In June he was being talked of as the instrument by which the UK Government could bring fitting venue for the Common about changes inside Rhodesia, most notably by persuading his Cabinet and country that the present constitution was unacceptable to world opinion. But during his visit to Lon-don he fold some people that he

don he fold some people that he presents a very different view had not the power to deliver from that of the last Commonwhat was being asked of him. appear to have produced no He left the impression that Ian

Smith is still wielding far more power behind the scenes in Salis-bury than had earlier been

thought, particularly in the conduct of the war.

Disillusion with the Bishop may be a rather negative area of common ground from which to launch an initiative, but at least it is common

The economies of the front-line states: these states are paying a high price for what they see as their stand on principle.
The economies of Zambia Mozambique and Botswana, the guerrillas operate, are being devastated by the conflict with Rhodesia. Tanzania, too has problems of its own to solve following its military interven-tion in Uganda which has proved a severe drain on the economy and is dominating much of President Nyarere's

The leaders of all these states sacrifice upon sacrifice over the years in their fight against Salisbury they are about to capitulate pow.

Among the front line states,

Among the front line states, no one needs a settlement more than President: Kaunda of Zambia, chalranan of the Commonwealth conference and host to the meeting.

His capital city less lais than 100 miles from the Rhodesian border; an estimated 12,000 of Joshua Nkomo's guerrillas are living in and off his country, the shops are without many basic commodities; the economy is lurching from crisis to crisis and lurching from crisis to crisis and Zambia is dangerously depen-dent on Rhodesia for its vital routes.

If this really is the "last" chance" for an internationally negotiated Rhodesian settle-ment, there could be no more wealth conference. For the next eight days, representatives of the 39 nations will be viewing the Rhodesian crisis from the front line. As Mrs. Thatcher will find, it

wealth conference venue -London

the cake

73, was the star of yesterday's birthday celebration for 21 years of the CBFs industrial trends survey. He was chairman of the economic policy committee of the Federation of British Industry, as the confederation was then called, in 1958 when the survey was introduced. The CBI had baked a cake to mark the anniversary. Weeks blew out the candles. He was one of the key influences in converting the FBI to the idea of forward planning for private industry-an idea that emerged somewhat bruised by Maudling's aborted dash for growth. The survey was part of the same experiment, having been started when the Board of Trade asked the FBI for information about industrial

performance, and the FBI had none to give. Yesterday, after he had blown out the 21 candles. Weeks reminisced about how the original surveys only published the present position reported by



"The Tories can't make secondary picketing illegal soen enough for me

of expected change would beself-fulfilling. He also pointed out that over the years the survey had proved most

All of which is hardly the most encouraging news in the light of the doom and gloom in yesterday's survey. This forecasts the first downturn in investment plans for some time due not to the present position reported by companies, but to their fears for the future.

Rough reportage

The philosophical attitude of American financiers to straight-forward attacks on their professional integrity never ceases to surprise me. Articles that would leave British counterparts shouting hoarsely for their libel lawyers seem to leave them unmoved.

The latest edition of the U.S. magazine Institutional Investor carries a story on the "mid-life crisis" of security analysis. It puts the finger in no uncertain way on Peter Marcus, who fell from the top position in his New York stockbroking firm Paine Webber/Mitchell Hutchins after six consecutive years as No. 1. On the telephone from New

York, Marcus said it had never occurred to him to sue anyhody. Sure, it can't help but hurt me." he said. "But I don't think about it. I've got better things to worry about."

lona touchdown

There is a mystery about the fate of Iona since Sir Hugh Praser paid £1.5m to buy the Hebridean island for the nation two months ago.

A sale condition, passed on by the Duke of Argy!l from the Islanders themselves, was it should on no account be ad-ministered by the National Trust. It seems Iona feared being turned into some enormous museum by the Trust.

Sir Hugh, who bought the island in memory of his father, booksellers cannot face all the

the late Lord Fraser, has turned it over to the Scottish Office to make arrangements for the island's continued welfare, "We don't know what's happening." accurate in its forecasts of in-vestment trends. Sir Hugh's assistant said yes-terday. "It's out of our hands." The Scottish Office was no wiser. Its long man had gone

off to the island and left no word in Edinburgh on what, if anything, had been decided. Some light may be thrown on the issue today. Sir William Lithgow, the former shipyard owner who is Chairman of the lona Cathedral Trustees Appeal, has borrowed belicopters from BP to take "key members of the world's Press" to look at the island. Our man will naturally

be among them. Two hishops and the Modera-tor of the General Assembly of the Church of Scotland are also being airlifted in—presumably to pray for guidance.

Word in the ear

There is a resurgence of the Victorian custom of listening to books being read aloud after dinner. But nowadays, the readings ings issue from a tape recorder. This week, a £100,000 advertising campaign has been launched on Thames TV by an EMI offshhot, Listen cassette books." Pleasure, to

It is the latest move in a campaign to sell taped literature to a mass market. Although the EMI offerings include Charlotte Bronte, they are in general aimed at a far more popular market than any ventures. "We have sold 25,000 packs of James Herriott reading selections from his books," says Jigga Dunn, an American who

is in charge of production. How are the booksellers reacting? The two-casserte packs. A reader tells me that he with a running time of up to three hours, are sold in boxes made up to look like actual books. It seems that very few individual bookseelers are yet willing to sell them-and perhaps because books are zero-rated for VAT, whereas cassettes attract VAT, and some

unfamiliar arithmetic. Big booksellers, such as

W. H. Smith, Foyle's and Black well's, are only selling the EMI "books" in their record departments.

A typical individual book seller. Earnest Fielder of Winbledon, says he is carefully waiting to see how cassette books will develop. "I still think people like to read quietly in bed." he says, "without a

For all that, the trade magazine, The Bookseller, will this month be publishing a chapter extracted from a forthcomina (real) hook by pop-scientist Christopher Evens. The title of the extract: "Death of the Printed Word?"

Spitting distance

Glasgow Central Station has rarely been a place for festivity and the mood in the city is even more dour than usual at the moment. But the 100,000 passengers a day who arrive at the station are this week being plied with souvenirs and travel passes by stall tricked out in nineteenth-century costume. It is British Rail's way of celebrate ing the station's centenary-the only period items missing from the platforms are the large spitinons which Glaswegians once liked to have handy. BR is also hoping to prove that the future will be as agreeable as the distant past. This autumn will see the opening of the £26m.
Trans-Clyde line, five miles of track which link the northern and southern sectors of the city, It is a joint venture with the Glasgow Authority.

In for lunch

approached a girl assistant in a Basingstoke shop, after waiting for some time to be served. Could you help me? " asked. "I'm sorry, dear," she answered, "I'm not back from lunch yet."

Observer



"It planned to have enough. But there days I have to have poore keep.

When you've once known a reasonable standard and have saved for your retirement, what can you do when inflation makes a mockery of all your careful planning?

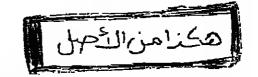
You can turn to the Distressed Gentlefolk's Aid Association and association of the second

To begin with, the DGAA will widerstand, Although. they have 13 Residential and Nursing Homes, they know. that people want to stay in their own homes for as long as they can cope, keeping their friends and the roots they have put down over the years.

So, the DGAA helps with allowances. They send clothes parcels. They remember Birthdays and Christmases, They help with a little extra when a crisis upsets a tiny budget. Please help the DGAA with a donation. And please, do remember the DGAA when making out your Will.

DISTRESSED GENTLEFOLK'S AID ASSOCIATION

المكالمال المحل



A solar smorgasbrod

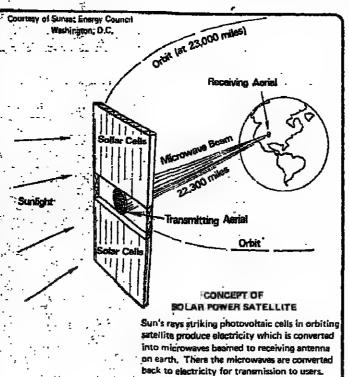
PRESIDENT JIMMY CARTER on July 15 made the equivalent of John F. Kennedy's famous declaration of 1962: "We choose to go to the moon in this decade . . . because that goal will serve to organise and measure the best of our energies and skills." The U.S. harnessed 2.5m-people in-a \$25bn project to land a man on the moon 10

and water to

President Carter plans to harness the sun. He has set a goal for the U.S -currently btaining three-quarters of its energy from oil and gas-to be harvesting 20 per cent of its energy from the sun by the end of the century. To put the figure into perspective, even assuming present day. levels of U.S. energy consumption, it represents rather more energy than the U.S. is winning from coal. But it seems to include the expansion of hydro-electric resources, which already account for about 5 per cent of U.S. electricity. The U.S. has identified more than 600 new

The sun is a natural nuclear fusion reactor, inexhaustible for all practical purposes, from
the more deadly rays of which
distance and the earth's
atmosphere keep us fairly
efficiently protected. The
scientists are clearly having a
frustratingly difficult time trytog simulate the sun's purier ing to simulate the sun's nuclear reactions on earth, in experiments now costing £100m-£200m a throw. What could be more natural than for the nation which 10 years ago conquered the moon now to declare that it will conquer the sun? ___

The next question is how. President Nixon, upon hearing that Spaceship Eagle had landed, declared that "the heavens have become part of man's world." But his own Independence making the U.S. self-sufficient in energy by 1985, by such means as solar energy, has long since been abandoned. Pro found themselves debarred by digious spending on research political unpopularity from re-



no new energy other than nuclear. schemes have been blocked—for "environmental"

reasons. The reasons for this failure are many and varied, but can often be traced to the sheer variety of choice. It has caused endless bickering about which projects should be pursued where, with whose money. The Department of Energy, in keeping with U.S. custom, wanted industry to build the big demonstration plants. But com-panies claiming to be ready and willing to press ahead have fers in important ways from found themselves debarred by other technologies for the

ceiving public funds for the

Even the creation in 1977 of the Solar Energy Research Institute (SERI), in the sun-belt at Golden, Colorado, has not had the desired effect of coordinating the solar energy pro-gramme. "We're here to foster an industry," the director claims. But a score of Congress-

men from places which failed to host the coveted new instilute have been trying to make sure it cannot work. There even has been talk of a national network of solar institutes—" little SERIS"—to take charge of the Department of Energy's solar programme, expected to involve contracts worth \$200m-\$300m

by the early 1980s. Solar technology energy difother, technologies for the inventor, Dr. Peter Glaser, an have barel production of energy. For exengineer with Arthur D. Little laboratory.

there is a single market, the sees solar stations generating electricity supply industry; and perhaps 5,000 MW of electricity ing chemical routes which, given another couple of decades of development, design and plant construction, may well succeed in replacing some oil

Solar technology is more akin to new technology for the conservation of energy. In both areas there is a great variety of possibilities, at every level from the humblest domestic function of water heating to attacked in many quarters, not very dramatic changes in the least by those opposed to cenway entire industries organise their activities. In both areas there has been a dismal lack of direction in ordering priorities, deciding where cash and effort should go first in order to open a new source of energy. In both areas top energy department executives have tumbled over political hurdles deliberately strewn in their path, or have

resigned in frustration.

Let us first get a glimpse of the smorgasbrod of technology. Inevitably, there is a glimmick end to the market and it is not confined to those who would rather sport a windmill on the roof than pay electricity bills. A paperweight on my desk on a sunny day generates just enough electricity to tinkle out a few bars of You are my Sunshine. On Fifth Avenue in New York for \$16 you can buy a sun hat fitted with a solar cell which drives a small fan-to keep you

cool in the sun. At the other end of the market there is a scheme which has the enthusiastic support of the U.S. aerospace industry, for solar stations in space, harvesting sunshine day and night, and beaming it 23,000 miles back to earth as microwave energy. Its

a single technology, the nuclear apiece (equivalent to about onereactor, which these days comes twelfth of total existing genein a small variety of commer-rating capacity in Britain) as cial designs. For the conver- the long-term answer to any sion of coal to oil or gas, there limits to terrestrial resources of are a small number of interest- nuclear fuel. He claims, on the basis of studies with which such companies as Boeing, Lockheed McDonnell Douglas and U.S. General Electric are associated that such power plants could be built for \$1,600-\$3,000 per kW. compared with \$1,400 per kW for nuclear stations, would need no fuel, and "only periodic maintenance.'

But Dr. Glaser's grandiose scheme has been tralising supplies of energy generally (and of electricity especially), who see solar energy as the great opportunity for decentralising. They point out that while it may place the main inefficiencies in the system well away from the mentally by introducing microwaves and water vapour into the atmosphere, and will require very large aerials to catch the microwaves

Even the U.S. National Aeronautics and Space Administration has not been lobbying for that particular technology. A few months ago Dr. Robert Frosch, NASA's administrator, told me that he was "rather sceptical" about several aspects of the scheme. He wanted to know much more about the engineering problems, the environmental effects, and above all the economics, he said.

Figures NASA has been conjuring with are \$50bn to set up the project along the lines the Apollo moon landing, and another \$25bn to build the first power station in space. Even these figures assume solar cell efficiencies of 17 per cent over acres of cells—"and we have barely done that in the

should remain, or were you

saying that Schedule A should

While dealing with some of

Of course, when Mr. Jenkins

deducting interest before tax

owner-occupiers of houses, he

perpetrated an injustice in

favour of owner-occupiers and

against all other tax payers. It

does not follow that the way to

a lot more sense to get rid of

the inflation and restore the

be revived and the "privilege

STATUS OF U.S. SOLAR TECHNOLOGIES

TECHNOLOGY Solar power satellite	APPLICATION Electricity	WHEN COMMERCIAL Well beyond 2000	COMMENT Very high capital investment
Solar cells (photo-voltaics)	Electricity	Now—at a price	No way known of mass-producing
Power towers	Electricity	1990s	Storage/cost problems
High temperature solar heating	Industrial heat	1980:	Ripe for exploitation
Low-temperature solar heating	Commercial/ domestic heat	1980s	Ripe for exploitation
Ocean thermal energy conversion (OTEC)	Electricity	2000÷	Very low efficiencies of 5-7 per cent
Windmills	Electricity (mainly)	late 1980s	Storage/cost problems
Biomass	Liquid fuels (gasohol)	1980s	Ripe for exploitation

More down to earth, solar question for many power telephones and electric of raising steam at the temperattures and pressures they are accustomed to using by the time-honoured boy scout method of focusing the sun's rays.

The technology is variously known as the "power tower" or panies in the business, beliostat. The idea is to have an array of mitrors—which, for a sizable station would cover any acres—focused upon a central, elevated boiler. In order to generate 100 MW of electricity the designer would have to catch most of the solar energy falling upon some 3-5 square

Like solar satellites, the technology falls foul of those opposed to central electricity supplies. It is also criticised as impossibly expensive. Estimates have been made that to compete with present methods of generating electricity the solar collectors and their precision steering must be manufactured for prices lower than the cost of motorway signs and advertising hoardings. Even that takes no account of the fact that when the sun is not shining the plant will be

generating no electricity. Energy storage is a vexed

solar the Pacific off Hawaii. In effect cells may be able to provide enthusiasts who are in danger it will be a big heat pump suckenough energy to drive solar of forgetting that anyone might hats or music boxes, and even want electricity at night. The fact is that storage technology fences in sunny places. But for electricity remains in a their inefficiency and cost puts rather primitive and expensive them far beyond reach of the state. Storage of heat energy electricity companies. Those in is another matter, U.S. industry the sunbelt have at least shown has done an immense amount some interest in the possibility of work since the 1973 oil price increases on new technology for capturing and storing sunshine at temperatures of genuine interest to industry. A government survey a year or so ago counted nearly 200 com-

> Here above all there are real opportunities for replacing oil across a broad swathe of the U.S., harnessing solar energy at temperatures high enough to provide not only domestic and commercial heating (or cooling) out process heat for industries. The storage problem is solved by storing the heat in water or a liquid with a higher boiling point. More than half-a-dozen companies are said to be offering temperatures as high as 315 degrees C. Scientific-Atlanta offers a solar concentrator said to raise temperatures of 485

A more adventurous way of overcoming the storage problem would use solar energy already stored in the sea. It will require huge machines called thermal energy converters (OTEC), of which the Department of Energy is fund-needs by the end of the ing an experimental model in century.

disadvantage is a dismal theoretical efficiency, only about 5 to 7 per cent, as the reward for heavy capital investment. Nature solves the problem of

ing heat from the sea. Its big

storing sunlight energy by converting it into chemical energy in green plants. Plants rich in carbohydrates can be fermented to produce alcohol which in turn can be distilled for use as a liquid fuel-for example, as a 10-20 per cent mixture with petrol called gasohol or "green petrol." The U.S. is already wrestling with the economics of gasobol. More than 500 petrol stationsmainly in the combelt of the Midwest - sell a blend containing 10 per cent alcohol.

Swift's Laputian inventor in Gulliver's Travels had spent "eight years on a project for extracting sunbeams out of cucumbers which were to be put in vials hermetically sealed, and let out to warm the air in raw inclement summers." President Carter's hordes of statefunded solar inventors have undoubtedly made progress with projects capable of warming air to several hundred degrees centigrade. But unless most of the effort goes into time-honoured technology such as hydro-electricity or gasohol, they will surely fall short, by a very wide margin, of meeting 20 per cent of the U.S.'s energy

Letters to the Editor

New and inapt word

From the Chairman The Stock Exchange Sit,-I am distressed to learn from John Elliott and Anatole

Kaletsky in their article (July "Long and short term alms denationalisation" that "privatisation" is becoming part of the vocabulary of Whitehall. I do not approve of It. I cannot find the word in the Oxford English Dictionary,

although I must admit that the latest volume of the OED supplement only takes us to E.N. When the next volume or the supplement appears on the surry will read something like this Privatisation [n. of action f. PRIVATE + isation]. Obs. 1. The act of returning state-controlled industries to public ownership.

2. The removal of industries from political and/or (usually and) bureaucratic direction by the few, and their subjection instead to commercial criteria. and disciplines imposed by the 3. Democratisation, accountability, greater effi-ciency, productivity, etc. Whitehall does not need this

new and inapt word. It has, somewhere in the pending tray, the words "public ownership" which aptly describe the Government's policies. These are the words that Ministers. should be using. Nicholas Goodisou. The Stock Exchange, EC2

Coal Board financing From the Chairman,

National Coal Board Sir,-In an article about de nationalisation (July 28) the National Coal Board was shown in a table under the heading of "lame ducks." I carefully searched the article to find out on what basis this classification was made, but there was no reference whatsoever to the NCB in the text.

I wonder whether the authors

the article considered the following in compiling their table? Since 1974 the coal industry has embarked on a plan am not mainly concerned in of expansion to meet likely this letter with the interests of additional demands when other the auditor, Limited companies sources of fossil fuel begin to are audited not for the benefit run out towards the end of the of the auditor, nor for the benecentury. The plan is based on fit of the management, but for increased exploration, invest the benefit of the present proment and research. Substantial prietors and the wider public progress has been made under the prospective proprietors, the

In spite of severe difficulties caused by the winter transport is the price to pay for limited disruption, the coal industry's liability. So be it. The proprieoperating profit last year was tor has the choice of unincor-Although some grants are re- The banks and the other major ceived by the industry (much creditors can protect themless than on the Continent), it is selves by seeking personal a net contributor to central and guarantees from directors. But local government funds.

supported efforts to sell British mining technology and equipment abroad, and this is now while. being effectively pursued in over

mainly to some major geological to rely on the uncorroborated

ocivile"

gramme, a large part of which will not be completed until the late eighties or nineties. John Lloyd Indicated in his article on July 24 the whole question of the coal industry's financial structure is now being

examined. (Sir) Derek Ezra. National Coal Board. Roburt House. Grosvenor Place, SW1

Commodity centre

From Mr. J. Tinn, MP Sir .- May I express my serious concern at the Governfinancial assistance for a World Commodities Centre in London, as reported on July 20.

The advantages to London and the UK of such a centre have been well established and are presumably recognised by this Government as they were by the last administration. But while the Government is prepared to consider a guarantee, it is not so far prepared to provide cash assistance to enable the project to go ahead. The situation is becoming urgent, with various inter-national commodity organisa-tions seeking suitable facilities and being offered attractive

terms to establish themselves elsewhere.

A great deal of practical work point. has been done over recent Perhaps through lack of years by a study group working space, however, you omitted to with the assistance of the mention the factors without the previous Government. Now, however, the situation is becomthat all who favour the establishment of a world commodities centre in London would do their utmost to persuade Her the Greater London Council. House of Commons, SWI.

Interest, tax

and income From the Chairman Residential Property

Committee. British Property Federation Sir,-There is so much sound common sense in your leading article of July 26, that one hesitates to cavil at any part of it. In particular, your emphasis on the need for a revived private rented sector to

letter (July 25) on the same income before assessing tax

timely, as was Mr. Trollope's ing mortgage interest from

New auditing and disclosure requirements

From Mr. I. Percy.
Sir.—As reported by Michael consultative paper on company law. It seems likely that it will embrace new auditing and dis-closure requirements for small proprietary companies. This is not just a matter of narrow professional concern to accountants. It will profoundly affect many thousands of companies, their proprietors and those with whom they do business. If the wrong decisions are taken company costs will increase; yet in practical terms the public will receive less comfort than it has a right to expect from audited

I write as an auditor but I each heading in the past five financiers, the suppliers and the customers.

It is often said that the audit higher than in the previous year. porated trading if he prefers. for the other members of The NCB has stimulated and society, it is essential that the protection intended by the law is both meaningful and worth-

changed? So what Smaller companies have been In an all-out attempt to meet with us for generations. Audit the increased demand for coal, reports under the Companies arising from restrictions in oil Acts have been issued, mainly supries, some 2m more tons without qualification. The have been delivered in the four change is in the nature of the months to delivered in the four change is in the nature of the months to date compared with evidence which is properly coming to be expected. It is no last year—a 5 per cent increase, coming to be expected. It is no in spite of a difficult start, due longer enough for the auditor

setbacks, outputs are now runword of the directors.

ning at planned levels. Following good practice,
of course the mining industry formal standards of much use its problems. One of the greater rigour than of ten or Many of us, however, believe Thornton Baker.

The initial problems is financing its twenty years ago can be that the best way for all configuration for the company cerned is to acknowledge that Fulwood Place, WC1.

is accustomed to such standards the traditional "true and fair" and is normally able to produce Lafferty (June 26), the Govern-independent verification of its smaller companies, which for ment will shortly publish; a affairs and dealings as a by-reasons beyond their control are product of its own commercial unable to fulfil the demands for practice. The smaller company is likely to be less fortunate. data Its scale will often preclude it In the U.S. and Canada, where there is no audit requirement from applying adequate inter-

be

nal control. Indeed, many small

If an auditor is unable to

businesses

nnauditable.

independently verify significant out analytical review protransactions or assets or liabilities, he will have only two choices: to qualify his those countries. In my opinion, report and draw attention to it is open to the criticism that the areas in which he was it is too great a relaxation of unable to satisfy himself; or to requirements in the UK and disclaim any responsibility, needs to be built upon to form Many argue that there would have to be so many quali- "respectable" alternative to the per cent higher. fications of this kind that the audit. audit process would lose its meaning. Various solutions The law should be changed to have been suggested. Some solution has to be found. Mean- out of the audit requirement ingless reports will discredit and to be subject instead to a the whole concept of statutory review. This would encompass audit. Those with the influence enquiries, analytical procedures and the need for information to ensure that the accounts will then require companies to make sense, and procedures to -submit to special investigations substantiate the amount and for particular purposes. Today existence of all assets and it may be the bank, tomorrow liabilities appearing in the

major creditor. It has been mooted in Government circles that there majority of the voting shares should be two sets of auditing in a qualifying company. Such standards without legislative The confusion to distinction. which this could lead in the minds of the moderately informed public will be clear from a moment's reflection. Dual stan- £0.25m; employees fewer than dards would be ambiguous.

the Revenue, the next day a accounts.

The auditing practices' com- it worthwhile so to arrange its mittee has published discussion affairs to be able to meet the drafts which give guidance on conditions for a true and fair the work required to express a audit report can do so. The com-"true and fair" opinion. Those pany that prefers not to do sodiscussion drafts recommend or cannot by its very nature do the obtaining of independent so-can opt for review. evidence. In circumstances where such evidence is not to influence the Government to obtainable and the auditor has relied on representations from ancy bodies to define the review directors, he is urged to qualify

his opinion to that effect.

Many of us, however, believe

Ian Percy,
Thornton Baker.

Perhaps through lack of mention the factors without withdrawn as well?

Parliamentary Group for World which the private rented sector Government and a fair measure cannot hope to be revived. Para- the history of the old Schedule of agreement was reached with mount among these is the need A mount among these is the need A tax, your leader-writer for the investing landlord to omitted to mention that until obtain from his investment a Mr. Jenkins introduced the ing urgent and I would hope return which will be at least Finance Act of 1965, all interest as attractive to him as the was deducted from income return he can obtain by invest- before the net income on which ing elsewhere. This means that tax had to be paid was calthose who occupy rented culated. Since income tax has, Majesty's Government to make accommodation must be pre- I believe, existed since the different financial contribution pared to pay a rent which, after Napoleonic Wars, it seems that to the project, perhaps in condeducting the landlord's outquite a number of previous junction with assistance from goings, will give him such a generations found it logical return. What the level of return that this should be so. It was should be can be debated end- only when inflation began to be lessly. If inflation is to continue serious, and as a result the at its present rate, or even at capital gains to be made by a slower rate, property is likely buying property with borrower to be such a good inflationmoney became disproportionate hedge, that potential landlords might be satisfied with income that people began to think there was anything wrong with which gives them a relatively that principle. In fact it is not low percentage on the capital invested. If, however, as we all that principle which is wrong but the fact of inflation. hope, the Government achieves success in fighting inflation, took away the facility of different factors will prevail.

I am not quite sure what you I am not quite sure what you from the majority of people, were advocating in the first but left it available to the foor paragraphs of your article.
Was it that the old Schedule A
tax on the occupation of profill the yawning gaps in our perty should be revived, but the present housing system is most present "privilege" of deduct-

for small companies, a recent

standard requires the reporting

accountant to make enquiries of

company personnel and carry

cedures. This may represent an

The method I suggest is this.

The choice of audit or review

should rest with a 90 per cent

a company should be within the

EEC fourth directive limits-I

suggest in current monetary

terms a turnover less than

25. The company that considers

I urge all who are affected

requirements in detail.

£0.5m; total assets less than

allow small companies to opt

British Property Federation, 35 Catherine Place, S.W.1. Relief from

pollution

pre-Jenkins situation. M. D. T. Evans

D. T. Evans.

From the Assistant Director of Planning, Brown Boveri and Co. Switzerland

Sir,-From the point of view carbon dioxide pollution President Carter's new energy policy does not bring any relief; on the contrary, if one substitutes coal for oil the carbon dioxide output per energy unit consumed is approximately 50 It is an established fact that

the content in the atmosphere has already risen 15 per cent since the last century. It is also scientifically proven that concentrations above a certain level cause an increase in average earth temperature. This effect will stay for centuries because of the slow processes involved in lowering the concentration even after stopping carbon dioxide production completely.

If one looks for long range solutions to the energy problem one should take these facts into consideration and start lowering its production as soon as reasonably possible. An alternative path, which avoids the pollutant completely, would be the nuclear option which has been chosen by France and partly by the Comecon countries. It would need, however, an aggressive programme which included reprocessing of spent fuel and fast breeder development. The U.S. one-time leader in nuclear technology has unfortunately barred this route firmly and will contribute thus for many years come to world-wide carbon dioxide pollution.

Dr. H. R. Lutz. (former Director of Mühleberg Nuclear Power Station). CH-3084 Wabern. Viktoria-Strasse.

GENERAL U.K.: Monthly meeting of **Today's Events** Corby. Northants, to discuss the

degrees C.

National Economic Development Council under chairmanship of town's unemployment problem. Sir Geoffrey Howe, Chancellor of the Exchequer — main item is profitability and investment.

First report of Professor Hugh Clegg's comparability commis-sion covering local authority, health service and university manual workers and ambulance

General Council of British Shipping issues British Shipping

Mr. Michael Heseltine, Environment Secretary, meets councillors and officers from of Dover Castie.

Portland cement price increases. First day of lifting statutory dividend controls. New basic tax-paid interest rate by building societies. Prince of Wales visits Cam-

bridge Science Park and later opens the Welding Institute's new Laboratory at Abington. Camba. Queen Mother to be installed

Overseas: Queen opens Commonwealth Conference in Lusaka. BPB Industries, 15 Marylebone Road, NW, 12. Eva Industries,

Ordinary and rapid hardening Midland Hotel, Manchester, 11.45. Fairdale Textiles, 54 Baker Street, W. 12. Halma, Dorchester Hotel, W. 12. Arthur Holden, Midland Hotel, Birmingham, 12. Pitman, 39 Parker Street, W. 11 Powell Duffryn, Dorchester Hotel, W. 12. Rediffusion, Institute of Directors, Pall Mall. SW. 12.15. Tanjong Tin, 65 London Wall, EC, 11. United Kingdom Property. 16 Hans Road, SW. 11.
Wellman Engineering, Grosvenor
Hotel, SW, 12. B S and W
Whiteley. Post House, Leeds, 12. as Lord Warden and Admiral of the Cinque Ports and Constable

STANDARD CHARTERED IN SHANGHAI



THE BUSINESSMAN'S ROUTE TO CHINA

The Chartered Bank has been in China for over 120 years, and we are still the only United Kingdom-based bank there; we are therefore uniquely placed to assist in the

Our objective is to encourage Sino-British trade, particularly in capital goods. If you see opportunities in China for your company, why not talk to us about it? What may be a problem for you may be simpler for you and Standard Chartered together. Ring Keith Skinner now, on 01-623 7500.



Lex 42% ahead and confident for year

PROGRESS continued for Lex Service Group in the first half of 1979 with taxable profit climbing 42 per cent from \$8.37m to £11.89m. Sales by the group. whose interest include motor vehicle distribution and servicing, plant hire, transport and

hotels, were up £68m at £257m. Mr. Trevor Chinn, the chair-man, says the Government's recent budget measures and the world energy situation makes it difficult to forecast trading conditions for the second balf. Normally the companys nonmotor businesses make more in the second six months than the

However, general expectations for the passenger car market suggest that new car registrations, running at an annualised 1.75m, might be lower in the second half with a consequential effect on Lex's passenger car businesses he save businesses, he says

Even so the company is con-

fident of a "most satisfactory" nutcome for the year. For 1978 profit was a record \$17 9m. The contract with A. B. Volvo to import and distribute Volvo to import and distribute Volvo passenger cars and parts in the UK has been renewed with the group for a further five years to the end of 1984.

Tax, for the balf-year, charged

at an effective rate of 11.69 per cent amounted to 11.59m (£1.38m) leaving earnings per share at 16.45p (13.09p). The net interim dividend is stepped up 1p to 2.8p. Last time a 2.7p final was paid.

Total horrowing at half-time was up £8.1m at £57.26m, includbut the long-term element was £12.92m higher at £55.1m.

ings were down from £42m to assuming a 7p net total dividend,

Yesterday brought a sharp shakeout in sterling and Lex looks at what may happen next on the currency front against a background of a gloomier industrial picture as painted by the latest CBI industrial trends survey. On the company scene Taylor Woodrow's profits are marginally down but there is a 50 per cent dividend rise, as forecast at the time of the rights issue. Thorn Electrical's annual report spells out a picture of accelerating capital spending whereas profits will stay quite sluggish and the company is expecting a sharp increase in borrowings. Lex also examines the large losses of Chrysler Corporation—the weakest of the three U.S. motor giants. Elsewhere, comments are made on Grindlays. Lex Service, Vantona, Pratt, Rirst and Mallinson and Porismouth and

36.6nz.				
Net c				
31.\$7m	(£18.3	9nı, .	and	share.
			up	from
66.5m	to £91.8	6m.		
ain thu	ន វិរសាខ ១	f £1.511	n (£1	52.0 00
ebiti	compr	ន្ទរាខ	princ	ipally:
ពេធិនេះ	on prop	erly sa	ıles.	
	61.87m olders 66.5m There sin thu	Net current a st. S7m (£18.3 olders funds 66.5m to £91.8 There was sin this time of this time of the funds.	Net current assets a \$1.87m (£18.39m) olders funds were \$6.5m to £91.86m. There was an exist this time of £1.51 ebits comprising	Net current assets amoun \$1.87m (£18.39m) and olders funds were up

profits on property	sales.	
		-year
	1979	197
	£6 0 0	€003
Salas	257,231	188,9
Operating großt	14 598	10.5
Interest	2.711	2.3
Profit before lax	11.887	8.37
	1 390	1 31
Ner profit	10,497	6.99
Extraprisit ary gain	1 505	115
Attributable .	12,002	5.83
Dividends	1 806	97
B	10, 196	5,00
		.,,,,,,,,
t Debit.		

comment

Volvo continues to make a good deal of the running at Lex and profits are slightly over recent market expectations. Estimates was up £8.1m at £37.30m, including short term debt and bank market expectations. Estimated overdrafts of £1.85m (£122.000), are now pinned on around £23m pre-tax for the full year where. after a 2p rise to 91p yesterday. However, with cash at £20.66m. The prospective fully taxed p/e against £7.15m. total net horrow is just 5.1. The protected yield,

would be 11.3 per cent which serves to reinforce the view that the impact of the expected 10 cent shortfall in July-December new passenger car registrations has been over-exaggerated. True, margins on the BL franchise have been

under pressure but its importance is considerably less than that of Volvo where Lex aims to sell 36,800 vehicles this year against 29,800. Elsewhere, the boom conditions of 1977 in the hotel industry are unlikely to be repeated in the foreseeable future but at least the deferred fee on the Carlion Tower management contract is expected to be reduced this time. The Whitehall in Chicago is at last making progress and occupancy rates at the Heathrow Hotel are

slightly better. The tax charge will remain very subnormal in 1979, which, coupled with 50 per

cent gearing and a substantial capital repayment holiday on rescheduled term debts, provides a significant platform from which to pursue U.S. takeover

Hirst and Mallinson expands 28% to £160,400 midway

group, rose 28 per cent from hit by the transport strike and strike cut into earnings from the £125,100 to £160,400 in the 27 while domestic sales show an group's removals division and weeks to May 5, 1879. This improving trend, there is no sign the pharmaceuticals price war weeks to May 5, 1979. This im was despite more than doubled of of £117.000, against shipping.

The chairman says the price

stepped up from 1p to 1.3p— a maximum total of 3.88p gress was forecast at the time of the rights issue in February. Last year's net total was 2p. paid from taxable profits of £445.000.

Turnover for the half-year advanced 24 per cent to £8.78m (£7.03m). After tax of £11.200 (nil), earnings per 20p share are given as 3.4p (3.1p).

Gomment

The half-year figures from Hirst and Mallinuan reveal the expected improvement in turn-

equipment activities continue to can be attributed largely to the growth. The recent expansion has utilised a February rights of 40p, down 1p.

BY MICHAEL LAFFERTY

THE BOARD of Hill Samuel, the

City merchant bank, faced a barrage of criticism yesterday

the bank's involvement in South

war in the pharmaceutical distribution industry has bad a severe effect on Northern Pharmaceuticals' sales and margins. It is difficult to see any improvement, and consequently steps have been taken to minimise the damage.

comment

Mr. M. D. Crompton, chair- over and pre-lax profits—the man, reports that the catering later is up by 28 per cent. This

Hill Samuel attacked over SA

organisation at the meeting. He told the Board that morality

should be an important con-

sideration in making invest-ments, and asked whether Hill

Africa, Among critical shareholders at the bank's annual
meeting was Bishop Colin
O'Brien Winter, the exiled
Anglican bishop of Namibia.
The bishop was among a
strong of 20 shearshelders

Anglican bishop of Nanibia. this was possible.

The bishop was among a Other protesting shareholders proup of 20 shareholders belonging to the End Loans to Southern Africa (ELTSA) for the South African Elec-

AUDREY HOUSE

Ely Place, London EC1

46,000sq.ft. of

Air-conditioned Offices To Let

Richard Ellis, Chartered Surveyors 64 Cornhill. London EC3V 3PS Telephone .01-283 3090

Richard Ellis

PRE-TAX PROFITS of Hirst and programme has been very successful.

Mailinson, the catering equipocessful.

In removals, the group was bave done better. The transport ressful. expand. But the company could In removals, the group was have done better. The transport ance. But the strength of sterling is most worrying since the group's textile exports constitute a significant share of its activi-ties. Last year, textiles accounted for about 40 per cent of the group's trading profits. Further, the bulk of this export husiness is seasonal (summer to autumn) and with the pound tax profits of £7.31m, now riding high, the group's During the first four months The haif-year figures from Hirst and Mallinson reveal the expected improvement in turn-increased and the company

promises a yearly total of at least 2.6p. Analysts project that this will be covered a little more develop well and the directors group's catering equipment divi- than once, yielding a prospective see these as an area for further sion, which has done well and 9.6 per cent at yesterday's price

tricity Supply Commission, for SASOL, which was concerned

with developing synthetic oil,

black people. However, they obtained little information from

the Hill Samuel Board, with Sir

Kenneth stressing the autonomy of the group's South African sub-

had loans in most parts of the world, including Russia.

Sir Kenneth said it would be

impossible and unrealistic for Hill Samuel to withdraw from South Africa. "First of all you have to find a buyer." he de-

He told the meeting that Hill

Samuel had had a successful first quarter. "On the broking

and consulting services side, Noble Lowndes and Partners is

strong as ever and we shall continue to expand."

sidiary.

agencies concerned with Bantusan homelands for

Taylor Woodrow falls to £7.6m at halfway stage

Cableform

City Officesint. 1.3

Grindlays Hldgs, ...int. 1.06

Kuala Lumpurt ... int. 0.1

Colonial Secs.int

Rigst & Mallinson int.

Lex Service

Pratt Eng.int.

Weberint. 2

rose from £11m to £25m.

£196m pre-tax profits of Taylor Woodrow, the builder and civil engineering contractor, [ell from £8.09m to £7.66m in the half year to June 30, 1979

But the directors point out that the pre-tax profits figures are not directly comparable because of the change of status of two com-Taylor Woodrow of Nizeria and Taymech Nigeria which were subsidiaries in 1978 are now associated companies.

They add that the results should be viewed in the light of the industrial unrest, including the transport strike, the severe weather and the adverse effect of the movement in exchange rates from June. 1978 to June this year. Because of the long-term nature of much of the group's business they stress that profits should be judged over several years rather than a short

from 2.01p to 3.15p plus a supplementary of 0.2904p following the reduction in tax. At the time of the £18m rights issue in February this year the Board said they intended to pay a total of not less than 12.74p for 1979. Last year's total was 8.4953p on ties (ake £317,000 (£523,000), (£32,42m).

The interim dividend is lifted

the surplus after tax at £3.72m, compared with £3.86m. Minorl-Turnover of the company and after which the attributable

surplus is up slightly from £3.33m to £3.4m. The dividend absorbs £1.01m. its subsidiaries was down from £182m to £171m at midway, but that of the associated companies against £469,000.

Corre Total

sponding for

Trading and investment income fell from £12.3m to £10.83m, and depreciation was £4.21m, against £4.56m. The contribution from assoclates rose from £351,000 to Tax for the period is down Fax Profit efter tax from £4.23m to £3.94m leaving

Vantona rises 20% at midway: second-half prospects promising

DIVIDENDS ANNOUNCED

payment payment

Date

Aug. 31

Oct. 1

Oct 8

Oct. 1

Oct. 1

Oct. 15

Dividends shown pence per share net except where otherwise stated.

INCLUDING A first time contribution by Compton Webb, pre-tex profits of Vantona Group show a 20 per cent in-crease at £4.02m for the six months to June 1, 1979, Turnover for the period advanced from £39.1m to £57m.
Fully diluted earnings are

shown to have risen from 8.5p to 9.1p on capital enlarged by the acquisition of Compton Webb, which the directors des-

rihe as providing a satisfactory contribution to profits.

They state that group prospects for the second half are promising with good order books, githough indications are that margins will be under pressure as a result of rising

The net interim dividend is steeped up from 1.9955p to 3n and, subject to a satisfactory second ball performance, a 5n would represent a 38 per cent increase on last year's total of 5.752p which was naid from preof the year industrial unrest and had weather delayed delivery of stocks and increased interest

peyond

charges

Capital expenditure, as part of a three year plan, was in excess of £3m in the first six months.

Full provision has been made in the interior figures for all lax whether payable or deferred. The accounts for the year, how-ever, will be prepared on the basis of SSAP 15. In the mean-time, as a result of the budget provisions relating to the re-lease of the first two years' stock relief, the sum of £2.8m can be released from deferred tax to reserves.

The group's interests include household textiles, fashion fabrics, garments and foundation garments.

		Siv months 1877/78 (CCO) 39,100 La37 192 3,345 1,632 1,712 69 241 29 1,353 374 889	Year 1977 78 2000 82,400 7,711 3,400 5,281 125 595 3,452 3,452 3,742 1,811
Retained	1.500	995	1.911

comment

be going against the textile tradict that view.

of organic growth within an over-all rise of a fifth at the pre-tax level is obscured by an unfrom Compton Webb. The new subsidiary is apparently on target for over £2m pre-tax in the full year but there is some seasonal bias and a change of year end which precludes any pro rais half-to-half breakdown. The least that might be said, however, is that the original business must be maintaining profits after a very difficult first quarter. And, although cost pressures are building up at the expense of margins, order books throughout the group are full to the end of the year and the benefits of the first tranche of the recently announced capital spending programme are expected to come through in the second half. Prospects for this period are obviously very fluid but, on the basis that Vantona will do no more than repeat the level of first half fully taxed and diluted earnings, the prospective p/e of 6.3 says more shout conditions in the textile industry than the group's own outlook. The yield of 9.9 per cent, on the dividend Vantona's interim profits look to forecast, does nothing to con-

Portsmouth Sunderland rises to £0.97m in first quarter year. Mr. W. Gibson Briggart, chairman of Wheway Watson

TAXABLE PROFITS of Portsmouth and Sunderland Newsmouth and Sunderland News-papers expanded from £692,000 to £987,000 for the 13 weeks to June 30, 1979, on increased turn-over of £4.35m, against £3.5m. In the last full-year, the sur-plus reached a record £2.88m. After tax for the period of £493,000 (£357,000), earnings per 25p share are shown higher

at 5.9p (4.1p).
On a CCA basis, pre-tax pro-fits were £722,000, and eurnings Sir Robert Clarke, Hill Samuel's chief executive, re-affirmed the Board's opposition to apartheld Nevertheless, as an international bank, the group are given as 2.8p.

comment

Extract from Mr. N. C. N. Housden's statement to shareholders

Bus and Coach Departments all continued to be successful.

The 40 per cent rise in pre-tax profits at Portsmouth and Sunderland gives little indication of the full-year result, but certainly auggests that the provincial press was making hay during the second calendar quarter. An increase in advertising rates and volume before the nudget was the main stimulus, though Portsmouth and Sunderland also profiled from higher cover prices, introduced in March, and from the effect of higher interest rates continuing to produce excellent on investment income. The results while Lambert Brothers Shipping, although still print contracts will have allowed results while Lambert brokers stering/rounar tracks in news-shipping, although still print contracts will have allowed encountering adverse trading the group to exploit foreign ex-conditions, is benefiting from the improved freight markets." temporarily. Add to this uncer-

In the year 1978/79, in spite of disruption to supplies, Trading Profit increased by 23%

from our continuing policy of modernising and developing our existing businesses.

These results have come from improvements in all areas of the Group and stem largely

Motor Cars and Vans showed the greatest increase in sales although the Truck.

Summary of Results

pects and the chances are that the first quarter figures will look

Advance at City

FOR THE first half of 1979, 2708s income of City Offices Company improved from £667.797 in £842,563 and pre-tax profit rose from £554,933 to £675,420.

Tax for the period look £171,121 against £256,825 and there was an extraordinary credit of £172,409 (£173,164).

Earnings per 25p share moved ahead from 1.3p to 1.87p and the net interim dividend is lifted from 0.86p to 1.3p. Last year's total payment was 2.84p.

on profits

Profits for the first six months will be less than those of last "Our confidence in the future of our industry is as

1277:784

43,100 1,147

876

301

50,520

1,317

1,134

(134)

27.6p

370

Wheway warns

£1.5m of products, **British Land** dividend

told the

meeting.

But he pointed out that the results for the full year should be satisfactory. Taxable profits for the whole of last year were £910.407 (£765.588) after rising from £283,816 to £420,859 at mid-

way. The chairman adds that the

higher interest rates will mean that the midway charge

will be £50,000 more than the

previous half year.
But he says that despite the

strength of sterling exports sales are expected to be maintained.

Last year the company exported

in sight

ON THE back of its improved financial situation British Land hopes this year to make its first dividend payment for more than But Mr. John Rublat, chair-

man, says in the property com-pany's annual report that the character of the company's business, in the absence of long-term must minimise the amount available for dividend distribu-

Mr. Rithlat says that net borrowings have now been reduced to under £80m compared with net tangible assets of £107m. In the year to March 31, 1979 the group earned pre-tax revenue surplus of

City of London Courier Service Ltd.



City-01-251 1333 and 1330. 01-253 9548 SE1 area--01-633 9833 Personal Courier Delivery of your vital documents

THE NEW THROGMORTON TRUST LTD. Capital Loan Stock Valuation July 31st, 1979

The Ner Asset Value per £1 of Capital Loan Stock is 185,19p. Securities valued at middle market prices.

Grindlays hit by strength of £

WITH Grindlays Bank. its main 48.3p subsidiary, hit by the strength of sterling taxable profits of Grindlays Holdings fell from £19m to £16.2m in the half year to June 30, 1979.

The bank's directors say that the strong f cost the group about f2.9m in profits. They add that the uncertainty of exchange rates and signs of recessionary problems for world trade make it difficult to forecast the second half, but they say it is unlikely net profit for the year will be as high as 1978. The taxable profit last year was £37.2m. Tax on the profits of Grindlays Holdings amounts to £8.37m,

*Equivalent after allowing for scrip issue, †On capital increased by rights and/or acquisition issues, ‡ Malaysian S gross throughout, § Including 0.2904p Supplementary. § Sp total forecast. against £9.06m. After minorities of £3.93m (£4.97m) and an ex-traordinary credit of £483,000 last time the attributable profit is down from £5.43m to £3.91m. The interim dividend is raised from 1p net to 1.0625p and earnings per 25p share are down from 14.5p to 11.5p. The total dividend last year was 3.071p on taxable profits of £37.23m.

. The attributable profit Grindlays Bank which is 51 per cent owned by Grindlays Holdings, was down from £10.63m to £7.62m after tax of £8.43m (£9.13m), a £947,000 extraordinary credit last time and minorities of £259.000 (£298.000). The dividend absorbs £675,000 (same), and earnings per share are shown down from 61.4p to

Directors of the bank say that in the first half specific provisions for doubtful debts, after bringing back provisions no longer required, were at a much reduced level.

Tax relief brought forwardfrom earlier years has been used to offset UK taxable profits, and this benefit will continue for part of the second half.

comment

Grindlays share price had been falling ahead of the interim results and the shares slipped another 5p to 101p after the news, giving a 14p loss over the past week. A combination of disappointing figures from Grindlays Bank, where profits are 15 per cent lower and a virtually unchanged dividend explained the market's reaction-Unlike the UK clearing banks Grindlays has not had the benefit of high domestic rates to rushion the sluggishness of its international profits. In addition, it is suffering from the strength of sterling which depressed profits by £2.90r in the half year compared with a figure of £1.5m. for the whole of 1975. The group, was still decide to zero before may still decide to pay a higher dividend at the final stage but on an unchanged basis the yield is 45 per cent. Meanwhile, the shares sell on around four times: prospective earnings:

ISSUE NEWS

Yearlings rise to $12\frac{7}{8}\%$

The coupon rate on this week's shares representing approximately of local authority yearling mately \$5.51 per cent of the onds is up from 12; per cent to 8.791.666 new shares offered by 2; per cent. The bonds are way of rights. The shares not taken up have been sold in the batch of local authority yearling bonds is up from 12; per cent to 12; per cent. The bonds are dated August 6, 1980, and issued

The issues are: London Borough of Havering (film), Invercivde District Council (film), St. Helens Metropolitan Borough Council (f0.5m), Cleveland County Council (£1m), City of Sheffield (£1.25m), Borough of Chesterfield (£0.5m), Buckinghamshire County Council (£1m), Hart District Council (£0.25m), Cambridgeshire County Council (£0.5m), Dudley Metro-politan Borough Council politan Borough Council (£0.25m), Borders Regional Council (£0.25m), Kingswood District Council (£1m), City of Wakefield Metropolitan District Council (£0.5m), City of Carlisle District Council (£0.5m) and District .. Council

Dartford Borough Council is issuing £0.5m 131 per cent bonds due on July 29, 1981 at per.

STYLO

Stylo Shoes announced that acceptances have been received in respect of about 86.3 per cent of the 1,660,512 new ordinary shares agement shares offered by way of rights to ordinary and management shareholders respectively.

HARGREAVES GP Hargreaves Group announces that acceptances have been received for 7,617,627 ordinary

market at a net price of 47p per

MIDLAND BANK STATISTICS

Statistics compiled by Midland Bank show that the amount of new money raised by the issue of marketable securities in the UK in July was £61.5m, less than half the June total of

So far this year 67 rights issues have raised a total of 6820m, more than double the total raised in the corresponding period of 1678.

HIGHLAND DISTILLERIES Highland Distilleries announces

that in connection with the rights issue of 10,235,000 ordinary shares at 880 each acceptances have been received in respect of 8,793,501 shares or 85.9 per cent. The balance of 1,441,499 has 99.5p per share.

Net proceeds of sale, amounting to 11.177p per share (after deducting the issue price and expenses) will be distributed proreta to those holders of shares to whom the shares were allotted but who did not take up their

ROSGILL HOLDINGS LIMITED

Results for the 52 weeks ended 26th May, 1979

Up by 41% to £22-87 million Ternover Up by 257% to £1-13 million Profit before tax Up by 227% to £1.03 million Profit after tax Earnings per share Up by 227% to 10-80p. Dividends per share restored to 2-31p

Shareholders' funds Up 66% to £2-03 million

NatWest Registrars Department

deeminor.

National Westminster Bank Limited has been appointed Registrar of



All documents for registration and correspondence should in future be sent to:

National Westminster Bank Limited Registrar's Department PO Box No 82 37 Broad Street

Telephone Bristol (STD Code 9272) Register enquiries 290711 Other matters 297144

Bristol BS99,7NH



Sales irom The Secretars, Arlungton Motor Holdings Limited, Penders End, Enfield, Middlesex. Profit before Tax Profit after Tax Extraordinary Items Dividends Earnings per Share

and Net Profit before Tax by 1500 both new records.

ARLINGTON MOTOR HOLDINGS COMMERCIAL & PASSENGER VEHICLES - CARSALES - SERVICING - AUCTIONS CONTRACT HERE & LEASING - BODTBUILDING - HIRE PURCHASE FINANCE If that implies a high level of

subsidiary Board autonomy, it may be worth noting that the

current executive team that Wellman hopes to inherit has

been with GE for not less than

13 years and whose average age is around 35 years. Equally im-

portant, it was not responsible

been warranted, save that the consideration will be reduced by

£108,000 if the acquisition makes

less than £1.1m before interest

and tax in the 33 weeks to March 1980, But GE has agreed to cover

any future losses on the electro

Redman has no argument with the commercial logic offered by the deal and, indeed, has already approached GE with a view to

continuing the IHBD purchase should the offer for Wellman suc-

ceed. GE. for its part, feels

"very positive about Wellman" and has been "concerned to find

a buyer with good prospects related to its basic business and

Whatever the outlook IHBD it is vital that Wellman

able to fund its proposed high

level of borrowing from a stable

Its profits last time slumber

by almost 34 per cent after higher than expected moving

costs, a severe disruption in the industries served by Wellman Alloys and significant losses stem-

ming from industrial disruption in the motor industry. However,

the group has already forecast over £500,000 pre-tax for the sb

months to September which

given the normal half-to-half blas, suggests something in the

That implies an exit p/e of 11.7 if Redman's offer is accepted. But, before share-holders decide as to the genero-

sity or otherwise, of this offer

there should be more ques

tions to be asked concerning past

losses, management and pro spects in far away Indiana.

fit levels of £1.55m.

boilers failure.

proven expertise."

The profits of IHBD have not

for the electro-boiler decision.

EWS

O NEWS ANALYSIS-WELLMAN DEFENCE

A chance to decide: Redman or Indiana

A COMMON takeover factic our greatest salesman." Much into that product in the first to bid for a business when migh depend on the successful its profits, are temporarily commissioning of a Caterpillar down. Redman Heenan Inter- Tractor plant at York Pennsylnational is bidding 55p per share vania, which is being built to or £7.3m for Wellman Engineer- Wellman's design ... ing Corporation: Wellman's profits for the year to last March fell from £1,55m to £1,03m pre-tax. Wellman; in turn has agreed to pay around £5.17m for the business and certain assets of the Industrial Heating Business Department of General Electric in Indiana; IHBD turned sharply into the red last year.

The timing of these bids is complicated; one reason being that Redman will withdraw its cash offer if the IHBD takeover goes ahead on the grounds that Wellman would incur too much debt, Redman will be asking its-shareholders for formal approval. to go shead with the deal to-morrow while Wellman will be seeking shareholders approval for the IHBD acquisition on August 13, The Redman offer, meantime, comes to its first clos-.

Redman after periodic share purchases over the last year, now holds around 29 per cent of the Wellman equity and, in the normal course of events, would not expert any significant levels of acceptances until about two days before its offer expires.

In the scant few days before the future shape of these two. Blame for the deficit last year substantial UK, engineering is planed squarely on the groups is decided Wellman decision, some three or four shareholders have an oppor years ago, to anter the electrotunity at the annual meeting boiler market. General Electric today to seek more information; senior management in Indiana regarding the proposed step into a now concedes that this expansion

regarding the proposed step into now concedes that this expansion the U.S. furnace market.

The step is important britly and the vanture had run into because Wellman has made no "heavy complaints problems severe of its desire for after warranting performance significant U.S. springboard for levels that it could not achieve." expansion. In particular, Sales hever covered the Wellman's coal gasification plant; significant increase in base technology developed with chets "the: "workforce was apparent success to South Africa, expanded by ISO employees most would be introduced through of whom bays since been IBBD's manufacturing and absorbed to other parts of GE marketing base, Outside surveys or made redundant—and the suggests that the U.S. mes duild financial chickens all came home over 1,000 coal gasification plants to roost last year. As one senior over 1,000 cost gasification plants. to roost last year. As one senior and Wellmann believes, "that GE executive put it recently: President Jimmy Carter will be. "I don't know why IEED got

The move is also important, the way Redman sees it at least, for the consideration would transform a company with £2.5m of cash in its last balance sheet into one with substantial borrowings.

There was no debt at the March yearend but Wellman proposes to take on gearing of per cent through a £2.8m 10-year industrial Revenue Bond and a £1.72m overdraft facility. Cash balances would be reduced to £210,000-by the subscription of new equity capital in the recently formed U.S. subsidiary, Wellman Inc.

Shareholders have been asked to facility an increase in

to ratify an increase in borrowing limits from £2.8m (an anachronistic limit determined

anachronistic limit determined by the paid up share capital) to £7.3m. Net worth is £6.27m. To justify this level of "leverage." shareholders must be reasonably certain that the IHBO loss last year of £373,000 will not recur. Wellman has stressed that average profits over five years, despite this setback, total £950,000—but the record is rather erratic. In 1975, profits dipped from £1.54m to £693.000.

Pratt declines at halfway

TAXABLE PROFITS of F. Pratt Engineering Corporation fell from a restated £522,000 to £388,000 in the half-year to April 30, 1979. But the group says that since midway its performance has improved and it is looking for more satisfactory results in the second half. Orders on hand at the interim stage were £8.7m, up £1.9m in the half year.

Figures for the constructional steel division which has been closed down have been excluded from the results. Closure costs and losses have been .. made in the accounts for the year to October 31, 1978, when the comany produced pre-tax profits of £967,000. Turnover and profit for last year's midway results have been adjusted.

The directors say that wide-spread industrial problems, high weaker trading conditions in the UK prevented the group from maintaining the upward trend of the second half of last year. They add that the transport workers' strike depressed results for the first half. The interim dividend is lifted

from 1.8391p net per 25p share to 2.2p. Earnings per share are down from 6.2p to 3.5p. Last year's total payment was 5.4214p. Turnover for the half-year rose from £8.1m to £8.98m. The taxable profit was struck after depreciation of £240.000

(£202,000) and interest charges up from £211,000 to £347,500. Tax takes £202,000 (£221,000) leaving the attributable surplus down from £331,000 to £186,000. The dividend costs £118,000. against £98,000.

A professional revaluation of the principal freehold and leasehold properties abowed an open-market value of £6.2m, a surplus of about £3.9m over book value.

	Hall	-year
	EDGO	0003
Turngver	8,976	8,07
Trading profit	975	96
Depreciation	240	20
Interest	347	21
Texable profit	388	65 22
Tax	202	22
Attributable profit	186	33
Dividend	118	
comment		

Six months ago, after closing its loss-making constructional steel optimistic poises about the future but tempering them with warnings about the effects of continued industrial

BOARD MEETINGS

The following companies have notified dates of Board meetings to the Stock Exchange. Such meetings are usually held for the purpose of considering dividends. Official indications are not available as to whather dividends are interima or finals and the sub-divisions shown below are based mainly on last year's timetable.

restance of the state of the st

nennis	
Appleyard Sept. 27	
Automated Security Aug. 2	
Clarka (T) Aug. 23	
Clarke (T) Aug. 23 Imperial Chemical Industries . Aug. 23	
Provident Financial Sept. 4	l
Royal Insurance Aug. 16	
Smith and Nephew Aug. 14	
Trinocard Represe Aug. 14	ı
Tricentro! Aug. 2 Whitehouse (George) Aug. 7	
Waitenguse (George) Aug. 7	
Finals—	
Angio-American Asphalt Aug. 6	
Assam Investments , . Aug 8	ı
Anglo-American Aspaalt Aug. 8 Assam Investments Aug. 8 Centreway Aug. 7	
Commercial Earls of Australia Aug. 27 Govern European Trust Aug. 2 Hums Holdings Aug. 8	
Govett European Trust Aug. ?	ı
Hume Koldinas Aug. 8	
Letraset	
Norton and Wright Aug. 3	
Smith (David S.) Aug 9	
Letrasct Aug. 14 Norton and Vyrght Aug. 15 Smith (David S.) Aug. 9 Sammerville (Wm.) Aug. 2	
Unitech	ı
† Amended.	1
I winduded.	ŀ

disturbances. In the event, the company's caveat was justified by the unquantified impact of January's lorry drivers' strike, particularly on exports, and the continued problems in the motor industry, which depressed the important forging division. These factors, coupled with an increase in borrowings and higher interest rates, combined to drop profits by 29 per cent in the first half. Since then, borrowings have been reduced and there should be further relief from the sale of some property in the constructional steel division. The order book, which is 28 per cent higher than last October, is an encouraging feature because it contains some useful volume growth, although some of the increase reflects orders carried over from the previous half. Overail, Pratt will find it difficult to make a complete profits recovery in the closing six months but £0.9m pre-tax looks possible. At this level, the shares are on a p/e of 4.1 at 62p while the prospective yield is over 15 per cent assuming a one-fifth dividend increase.

Grindlays Bank S.A.

From August 1st 1979 **Banque Grindlay Ottomane** changes its name to Grindlays Bank S.A.

Grindlays Bank S.A. has from August 1st acquired 4 additional branches and now has 15 branches in France, Monaco and Switzerland. Grindlays Bank S.A. is a member of the Grindlays Bank Group with over 200 branches and offices in more than 35 countries around the world.



Grindlays Bank S.A.

Head Office: 7, Rue Meyerbeer, 75428 Paris Cedex 09. Tel: 266 6222 Telex: 210026

Branches in Paris, Aix-En-Provence, Cannes, Grasse, Lille, Lyon, Marseille, Nice, Toulon, Strasbourg, Monte Carlo. Geneva and Zurich.

CH Industrials makes encouraging start

THE ENCOURAGING trend in Management accounts show that profits of C.H. Industrials which first quarter results are a little became evident at the beginning sheaf of the same period last of its current year is centiming. Year says Mr. T. M. Hearley, the chair. On sales 12 per cent higher at man, in his amount mixtured E1430m, pro-tax profits for the

Year anded

Turnover (Inc. VAT)

Profit after Estation

Profit before Taxation

£47,102,000 £4,893,000

£2,609,000

UUULIS

Record profit figures from 1.6 stores worldwide.

Accimilate delerred profit new \$10,769,900.

Tior Zscrip issue proposed. Dividend increased.

A mised to maintain dividend on lacreased capital.

* Current sales ahead of last year.

ants 263 Sp per sirere.

£49,087,000 £5,858,000

23,210,000

reported June 29. The result was affected by production difficulties, the road haviage strike, and bad weather.

Despite some adverse factors, the directors are optimistic that the current year will see a more acceptable level of profitability, ithough they add that in some tress of operations progress will

In the decorative trim division, the production problems of the metal trim activities have been largely overcome and an improv-ing level of profitability is expected throughout the year. However, market conditions are more difficult and some decline in order intake is already

All companies in the building products division are experiencing substantial raw material cost increases, which Mr. Hearley says must be passed on if improved profitability is to be maintained. Overall, this side is expected to produce a substantial contribution to group profits in the

The automotive trim division has built a strong order book for canvas weatherproofing products, particularly for the Ministry of Defence, and the chairman says these products should make a valuable contribution this year.

year ended March 31, 1979, fell It should also benefit from the by 22 per cent to £624,492—as introduction of the new TR7 soft

top, he adds. Prospects for this division re-main highly dependant on the success of its principal customer to maintain car production close to scheduled levels, but indications are encouraging for the year as a whole.

The synthetic foam side has suffered a rapid escalation in raw material costs due to price increases of oil-derived feedstocks. However, the year has opened satisfactorily, and this company is expected to continue During 1978-79, group capital

expenditure totalled £610,000, while the acquisition of S.A. Richardson and the investment in Medfurn totalled a further £820,000. This year, it is planned to spend another fim, principally on further expanding the Cemen-tone operation in Buckingham. An additional term loan facility has been made available by the group's bankers, while agreed property disposals will provide a further £350,000:

On a CCA basis, pre-tax profits are reduced to £366,997 (£651,907), after extra depreciation of £250,651 (£179,414) cost of sales of £131,897 (£42,306), partly offset by gearing adjustment of £125,053 (£74,276).

Meeting. The Carlton Tower Hotel, SW, August 30, poon.

All of these ascurities have been sold. This announcement appears as a matter of record only.

NEW ISSUE

August 1, 1979

U.S.\$100,000,000

BENEFICIAL OVERSEAS FINANCE N.V.

934% NOTES DUE JULY 15, 1987

Unconditionally Guaranteed as to Payment of Principal, Premium, if any, and Interest by

BENEFICIAL CORPORATION

Blyth Eastman Dillon & Co.

Amsterdam-Rotterdam Bank N.V.

Banque de l'Indochine et de Suez

Commerzbank

European Banking Company

Morgan Guaranty Ltd.

Banque Bruxelles Lambert S.A. **Chemical Bank International**

Credit Suisse First Boston

Manufacturers Hanover

Société Générale de Banque S.A.

Westdeutsche Landesbank

MANUFACTURERS HANOVER **CORPORATION** & Subsidiaries

DIRECTORS

Chairman of the Board, President and Chief Executive Offices

Yice Chairman of the Board American Telephone & Telegroph Company

GABILIEL HAUGE

HENRY H. HENLEY, JR. Chairmon and Chief Executive Officer Cinet, Peobody & Co., Inc.

Chairman of the Board and President Hillon Hotels Corporation TEROME FL HOLLAND

WILLIAM F. LAPORTE

Chairman of the Board and Chief Executive Officer Sperry Rand Corporation

JOHN F. McGILLICUDDY man of the Board and President RENE C. MCPHERSON

JOHN B. RICKER, JR.

HARRY TAYLOR Vice Chairman of the Board W. BRUCE THOMAS

and Director JOHN R. TORKIL III

MARINA V. N. WHITMAN Distinguished Public Service Projessor of Economics, University of Pittsburgh

Vice Chairman of the Board 1. Ray McDermott & Co., Inc. The Bobcock & Wilcox Company

Consolidated Statement of Condition, June 30, 1979

Interest Bearing Deposits with Banks

Federal Funds Sold and Securities Purchased

LIABILITIES

WILLIAM S. BEINECKE MICHEL C. BERGERAC

WILLIAM S. CASHEL, JR.

BARRON HILTON

Director of various corp

L PAUL LYET

THOMAS M. MACROCE President and Chief Executive Officer Allied Stores Corporation

Chairman of the Board and Chief Executive Officer Dana Corporation GEORGE B. MUNROE

Phelps Dodge Corporation CRARLES I. PILLIOD, IR. Chairman of the Board and Chiof Executive Officer The Goodyear Tire & Rubber Company

Accounting and Finance

non of the Board

GEORGE G. ZIPF

under Agreements to Resell 212,825,000 Investment Securities (Market Value \$2,489,174,000) 2,462,642,000 Trading Account Securities (Market Value \$139,868,000) 139,827,000 23,315,301,000 Loans Lease Financing Receivables 1,479.886,000

Total Loans (Net of Unearned Discount 24,795,187,000 of \$457,647,000) Less: Reserve for Possible Loan Losses (212,413,000) Net Loans 24,582,774,000 Premises and Equipment 189,754,000 Customers' Liability on Acceptances 1,624,773,000 Accrued Interest Receivable

482,665,000 674,879,000 Other Assets Total \$45.011.117.000

1,430,018,000 Savings Deposits Other Time Deposits
Deposits in Foreign Offices 4,661,693,000 16.463.087.000 Total Deposits 35,696,301,000

Federal Funds Purchased and Securities Sold under Agreements to Repurchase 1,998,223,000 Short-Term Borrowings 2,086,662,000 Acceptances
Accrued Taxes and Other Expenses 1,646,897,000 698.980,000 Other Liabilities 553,245,000 Long-Term Debt 854.159,000

Total Liabilities 43,534.467,000 SHAREHOLDERS' EQUITY Preferred Stock (without par value) Authorized but unissued-10,000,000 shares Common Stock (par value \$7.50)

Authorized-40,000,000 shares Outstanding-32,919,180 shares 246,894,000 Surplus 431,990,000 Lindivided Profits 797,766,000 Total Shareholders' Equity 1,476,650,000 Total \$45,011,117,000

Headquarters: 350 Park Avenue, New York, N.Y. London Branches: City Office, 7 Princes St., EC2P 2 LR Grosvenor Square, 88 Brook St., W1A 4NF, P.O. Box 4NF

BRANCH OFFICES: Bahrain, Bucharest, Criro, Duesseldorf, Frankfurt, Hamburg, Hannover, Hong Kong, Manila, Milan, Nassau, Seoul, Singapore, Tokye, Zurich REPRESENTATIVE OFFICES: Athens, Bengkolc, Beingl, Bogota, Bombay, Buenos Afres, Cairo, Caracas, Edinburgo, Frankiuri, Jakasta, Kasia Lumper, Lima, Madrid, Manchester, Mexico Civy, Munich, Nairohl, Oslo, Paris, Rio de Jameiro, Rome, San Salvador, São Panlo. Sydney, Tahran International Corporate Offices: Chicago, Houston, Los Angeles
Incorporated with Limited Liability in U.S.A.

. MANUFACTURERS HANOVER CORPORATION

SUBSIDIARIES nniacturers Hanover Trust Company, New York, New York nniacturers Hanover Trust Company/Capital, Latham, New York nniacturers Hanover Trust Company/Capital, Rochaster, New York nniacturers Hanover Trust Company/ Western, N.A., Bulialo, Naw York

Manufacturere Hanover Leasing Corporation, New York, New York Manufacturers Hanover Mortgage Corporation, Southfield, Mickigan Eftier Financial Corporation, Wyncoto, Pennsylvania

MANUFACTURERS HANOVER TRUST COMPANY

SUBSIDIARIES nover Executor & Trustee Company Ltd.,

Manufacherers Hanover Export Finance Lid., London, England Manufacturers Hanover Bunk (Guerusey) Lid., Guerusey, Channel Islands Ocean Accuptances (London) Limited, London, England Manufacturers Hanover Property Services Ltd., London, England erers Hanover Leasing U.K. Limited, London, England ufacturers Hanover Credit Corporation, London, England Manufacturers Hanover Bank Belgium S.A./N.V. Brus Manufacturers Hanover Bangus Nordique, Paris, Prauco Manufacturers Hanover Asia Lid., Flong Kong MHT Services e Administração Lida., São Fanio, Brazil Manufacturers Hanover Benk International (Los Angeles)

Manufacturers Hanover Bank International (Misuri) Menufacturers Honover Commercial Corporation. New York, New York Lionel D. Edie & Company, incorporated, New York, New York

2 weeks

1979

& Lair

MINING NEWS

Ashton tests show a 60% gem content

BY KENNETH MARSTON, MINING EDITOR

cent has been indicated from a first evaluation of diamonds CSO price. collected from the Eliendale

sais that the preliminary of as little as just over three examination, carried out in points.

Europe by expert groups which While the average price included De Beers' Central Sel-ing Organisation, was of two parcels. One, of about \$50 carats ame from kimberlitie pipe "A" and the other of 1,220 carats was grade

from pipe "B."

Alout 60 per cent by weight of the hamonds from pipe "A" to innes of material from the was classified as cuttable gem quality, about 3 per cent was suitable only for industrial use and the remainder was rezarded to the remainder was rezarded to the remainder was recarded to the first half of this freated in the first half of this treated in the first half of this treated in the first half of this per countries of material from the higher grade pipe "B."

This is a low recovery, certainly by South African standards. Admittedly it is about the first half of this per countries of material from the higher grade pipe "B."

This is a low recovery, certainly by South African standards. Admittedly it is about the first half of this per countries of material from the higher grade pipe "B." and the remainder was rezarded as suitable for lower quality gem ne better quality industrial use. Pipe "B" results also indi-

cated 60 per cent gem quality, but 13 per cent in the industrial grade and the rest in the grey area between sem and industrial classifications. In terms of average value the pipe "A" stones with De Beers old Kofficfontein varied between USS78 per carat mine which has a grade of 9.3 carats per 100 tonnes and a gent content of around 50 per cent.

from \$56 market price to \$57

The high proportion of gem prospects at the intriguing stones is very encouraging, beardetermine the value of the diamond venture in ing in mind the fact that the mond its still very important; Western Australia. But the average size must be as low as one stone in five carats would value of the stones was relatively under 20 points—there are 100 be worth far more than five points to the carat-but the full stones of one carat, assuming 58 facets can be cut on diamonds that all had similar qualities in

values given are low, they can still be regarded as acceptable. Another factor in assessing the latest results is the recovery grade which in hulk samples treated in the first half of this

the same as at Consolidated Diamond Mines of South West Africa but that hig open-pit operation has a high gem content of about 90 per cent and the stones are much larger and of good quality.

A GOOD gem proportion of 60 princ. Pipe "B" values ranged but here again the average size of the stones is considerably

> While size alone does no other respects such as colour, quality and shape.

But, as CRA and its diamond valuers stress, the sizes of the parcels being examined were only about one-fifth of the size normally required to indicate what the average value of diamonds in a pipe may prove to be. And, of course, Ashton has many more pipes which have not yet been examined.

So at this still early stage it is impossible to assess Ashton's prospects—in May last year the CRA chairman said that it could take three years before it was known whether diamonds existed in commercial quantities.

Allowing for the reservation that an approach to exploration requires, results of the latest study are more encouraging than most of the news we have

Uranerz in Tanzania deal

GERMANY'S Uraners, by another West berghau uranium group has signed an agreement with Tanzania for exclusive rights to for uranium in that country. This follows a one-year exploration programme which has delited encouraging results, reports our correspondent in Dar-es-Salaam.

The pact, the first of its kind Tanzania had signed, is for an initial two years of intensive prospecting and gives the Dares-Salaam Government the right to acquire a 51 per cent interest in a joint venture company to mine any exploitable deposits that might be found

Dr. Dieter Nottmeyer, the managing director of Uranerz said that the pact, which was hammered out with the help of the Commonwealth Secretariat. embodied a formula that might well become a model for similar deals with other African countries.

His company has been prospecting in about one-third of the discovery promising radioactive anomalies in an aerial survey carried out



Limited Extracts from the Review by the Chairman, Mr. Ross Goobey for the year ended

25th December 1978. PROFITS Turnover of the Group increased to £2,540,433 while total revenue before tax increased by £223,483 to £1,877,862. This improvement resulted mainly from increases in both net property revenue and investment income. PROSPECTS The Group is now benefiting from the demand for offices and shops as well as increases

dividends. Salisbury House, London EC2

continuing steady increase

in rental values. These

in net revenue and

factors should result in a

Tancania has sedimentary strata similar to that in South Africa which yields low-grade

helieves the deposits could be richer in Tanzania. It is understood that Tanzania province which, Drawould also receive a fixed estimates, will reac royalty together with company in the early 1980s.

deposits. But Dr. Nottmeyer

German taxes and an additional profits company. Geosurvey Interna- tax related to the rate of return on invested capital. Uraners provides 50 per cent

of West Germany's uranium requirements from its Canadian Rabbit Lake Mine in Saskatchewan and is developing another hig deposit in the province which, Dr. Nottmeyer estimates, will reach production

OIL AND GAS NEWS

Stirling finds oil on North West Shelf

in the process of cutting a con-

The Bruce well is situated be-tween Woodside Petroleum's North Rankin gas field and the coast. Stirling Petroleum re-cently floated on Australian stock exchanges, is the operator of the well. Other companies with an interest in the well are Magnet Metals, with 24.4 per 23.59m. cent. Lennard Oil, with 12.3 per The cent. Monarch Petroleum, with 3.8 per cent and Minicorp with

1.74 per cent. The Bruce well, which is be-ing drilled in 76 metres of water with a programmed total depth of 2500 metres, is the first drilled by an all-Australian group since offshore tax concessions were restored three years upo.

Crude oil production from the per cent but increased outbut from offshore wells shared
with Saudi Arabia meant an
overall increase for the Gulf
Island State, according to
official figures.

The well should
produce 12,000 barrels a day
overall increase for the Gulf
Island State, according to
official figures.

Bahrain west Shelf announced yesterday "inline" indications of liquid hydrocarbons" in the cultings from initial drilling, reports Don Lipscombe from Perth. They are Lipscombe from Perth. They are the process of cultiple a group of the princess of cultiple a group. 25.48m barrels.

This put Bahrain's total 1978 production at 45.67m barrels, equivalent to 125,000 barrels a day, the smallest production in

the Gulf.

The total output was 2 per cent up on 1977 when onshore production stood at 21 23m harrels and offshore output at

The value of petroleum exproducts, rose by 2.2 per cent in 1978 to reach 585.5m dinars. according to the report.

Nationale Aquitaine (SNEA) says that its subsidiary Elf Aquilaine Oman is to go ahead with the develop-ment of an oil find at Sahmah on the Sulfanate of Oman, Oil was discovered in 1978 at Bahrain's traditional onshore Salmah, which is in the Butabul oilfields declined last year by territory around 550 km south

New business increase at Royal Insurance

The group points out that sales

AJ.SMITHECLS. Group Secretary

WAGON INDUSTRIAL

HOLDINGS LIMITED

Notice is hereby given of the appointment

of Lloyds Bank Limited as Registrar.

All documents for registration and correspondence should in future be sent to

the address below:

 Lloyds Bank Limited, Registrars Department,

Goring-by-Sea,

Worthing, West Sussex BNI2 6DA.

Telephone: Worthing 502541

(STD code 0903)

A satisfactory rise in new life of individual pension contracts and pensions business in the UK for the self-employed and for and Ireland over the first balf directors and executives again nof the year is reported by the Fose substantially, but as Royal Insurance Company. New espected group pension was at annual premiums advanced by 13 per cent down £10.1m in £11.4m and single premiums by 12 per cent from £9.6m to £10.8m. pension scheme

pension scheme.

On the nidividual life side, the group reports a satisfactory level of endowment assurance business to repay house mortgages despite the restrictions on building society lending. The tise in single premium husiness reflects the Boyal's continued competitiveness in the immediate annuity market.

McMullen sees rise for year

McMullen and Sous hopes the trend in midway prifits—which showed an increase from \$33,000 to \$903,000, as already reported—will at least be main-tained over the year, given rea-sonable weather over the next couple of months.

Last year, the surplus of the brower reached a record £1.54m

The directors say the better weather of early July has produced some improvement in sales which will be helped when the tax reliefs in the Budget catch up with the effect of the VAT increase.

STANDARD BANK **NIGERIA**

Standard Bank Nigeria has changed its name to the First Bank of Nigoria. It remains an associate of Standard Chartered Sank Limited, which is a substantial minority holder. BIDS AND DEALS

Crellon quote cancelled

Crelion Holdings, the electrical group which has been the subject of a number of rescue packages in the past year, is to have its share listing cancelled.

This follows the sale of its last major trading subsidiary. Crelion Electronics, to Thorn Electrical Industries for £925,000. In April, a receiver was brought in to its largest subsidiary, Superlamp Metallic.

Guarantees made to Superlamp were called on and this created what was described as "excessive" liabilities on Electronics and Holdings.

So severe were the problems at that time that Crellon asked for the shares to be suspended. Mr. Joseph Eiger, the new chairman who had just taken over the position and the share holdings of Mr. Genflrey Rose (who briedy tried to rescue the group last year), pumped in a further f692,000 by way of loan stock, convertible preference and ordinary shares.

This package resembled that put together by Mr. Rose which provided 1700.000 odd of new capital by way of a convertible preference rights issue. Mr. Rose, however, sold out of the company in February, two months before it was announced that no dividend was to be paid on the

Preference shares.

By this time Mr. Eiger and Antony Gibbs and Sons, his advisers who also hold a sizeable amount of the capital, were ompany with " a viable future. reconstruction.

would give Gibbs and Mr. Eiger 43 per cent of the votes, has still os per cent of the votes, has still to go before a special meeting of the company. This was promised in May to be held "as soon as possible." Yesterday, the Board said that the notice calling the meeting will "be issued shortly" issued shortly."
The Stock Exchange appears to

have authorised the cancellation of Crelion's listing as preferable of Creton stating as precision. Per-mission should shortly be made for the shares to be dealt in under the rules for unlisted companies. unlisted company

As an unlisted company Crellon's only activities are a small nucroprocessor business which it intends to develop.

GUTHRIE CALLS OFF MINORITY DEAL

Guthric Corporation is not proceed with its intended hid for the minority of Guthrie Berhad because terms could not be Guthrie announced on July

that it wanted to buy in the 27 per cent it does not already own at Singapore 2 per share. There was local opposition to the price and Standard and Chartered Merchant Bank Asia advising the minority, declined to recom-mend it. Guthrie refused to go higher so the proposed offer has fallen through.

Shares of Guthrie Berhad have

\$2.23 since the hid was proposed Before Guthrie's announcement yesterday they were down at about \$2.08. The news came after the close of the Singapore exchange.

Mr. Ian Crates, managing director of Guther, would not

he drawn resterday on whether another approach may be made in the future.

KITCHEN QUEEN

TRANSACTIONS
Mr. Neville Johnson, the chairman of Ritchen Queen, has bought a further 250,000 shares in the company, hoosting his total stake to 7.8m, or just over a quarter of the capital.

This hypnys the total family

This brungs the total family stake up to over 40 per tent. taking account of the dilution caused by the extra shates is seen during the recent Knott Mill

acquisition.
Earlier this month, it was announced that Industrial and Commercial Finance Corporation had sold its 1.69m shares, or 5.7 per cent. In the company for nearly 1m. Meanwhile, Mr. Peter Scott, 2

director of Knott Mill who was theirman before the list, has sold the litchen Queen shares, leaving a balance of 744,595 (2.5 per cent). His holding was acquired as a result of the offer. Most of the shares were placed with clients of Halliday Simpson, the

LOOKERS BUYING MOTOR INTERESTS Lookers, the Manchester-based motor vehicle distribution and

moor vehicle distribution and engineering group, has agreed terms in a £675,000 cash deal to acquire Gresvenor Motors (Preston), GMP Cars' motor trade net assets, and properly owned personally by Mr. Colin Cowperthwate, managing director of both of the Preston companies.

The companies are mainly engaged in selling and maintaining motor vehicles and the sale of parts and accessories. prosvenor holds the franchise for Fiat cars and GMP for Peugeof cars: franchises not currently held by Lookers. Total net assets involved, in-

cluding property at revaluation, amounts to 2600,000 and the combined profits and property income before tax is £158.000.

AGB/ATTWOOD STATISTICS

AGB Research has completed the acquisition of Attwood Statistics (Great Britaln) and its two wholly owned subsidiaries. Attwood Statistics and Attwood Continential BV.

ASGB and ASL are market

research companies and operate from Berkhamsted, Hertfordshire. Continentaal is a Dutch registered investment holding company owning 51 per cent, of Artwood Panels BV, 50 per cent of Interact BV and 40 per cent

Thorn plans expansion of overseas TV rentals

DRAMATIC of Attwood (Nederland) BV, all which are also Dutch com-

The acquisition is not expected to have a material effect on the says that the group is progresresults of AGB for the year ended April 30, 1979. sitions in engineering. .

is much action to be taken to get the UK economy working at its proper pace again. For the group this must mean a return to substantial growth and higher profit both in the UK and over-

up a major trading organisation products. As regards new tech-This is stated in the formal nologies, including the micro-processor, he does not see a document. The cash offer has been accepted by the board and holders of 40.4 per cent of the owering of the total level of employment as numbers are expected to increase through a Mackan Group (UK) is part

macken Group (UK) is part of the Macken Group of Toronto, which is owned in turn by the Tanenhaum family with extensive interests in steel, construction, hotels and other industries. The offer is equivalent to 185p a share, but its implementation will be preceded by a two-forone scrip issue with the terms adjusted to 61;p on all 3.6m shares. The offer closes on August 21. DOROTHY PERKINS/

Dorothy Perkins, the specialist fashion retailer, is to open fur-ther shop-in-shop units in Deben-

The opening programme, plan-ned for September, follows successful pilot operations in Debenhams in Bristol and Rom-

MACKAN TO BUILD

Mackan, the Canadian-owned company which is bidding £2.2m for Ellis and McHardy, intends to use the Aberdeen fuel distri-

bution and North Sea nil service

concern as the basis for building

UP ELLIS &

McHARDY

in north-east Scotland.

DEBENHAMS

industries and the current year renters which should continue september 14 at noon.

Well not be an impressively for some years. The new high good one for the group.

Industries and the current year renters which should continue september 14 at noon.

See Lex improvement in profit levels is will be required to finance the (£4.5m) was uncontracted. Sir Richard Cave, chairman, will be particularly suitable for

smely laying the base of a much financing. expanded international business particularly in television rental subsidiaries and selective acqui-The chairman feels that there

He looks forward to increased demand for the group's major.

On the financial side the chair. Referring to the application of man says that the company's SSAP 15 the chairman says that man says that the company's SSAP 15 the chairman says that man says that man says that assets the liquid position during the or stock. However, the Board year. Forward cash requires has taken a more cautious view ments in the UK and overseas in respect of UK television could be considerable but well receivers and video equipment within the group's borrowing for rental in view of the possible capabilities, he points out.

Many overseas operations are nology and has made full pro-now self-financing. If the group vision for deferred tax in this is successful in its plans for category of assets overseas growth and acquisitions. The group balance sheet at this will be achieved by an in: March 31 shows total assets up crease in borrowings after taking from £826.9m to £889.1m included the property of £200.1m. into account Budget changes in-respect of overseas investments; In the UK expenditure on rental equipment will be at a. higher annual level than previously, much of which will be required to replace colour TV sets installed in the early 1970s.

rental will also require sizeable

Thus despite a positive cash flow, horrowings in the UK can be expected to increase in the next few years, says the chair-man. In the longer term he expects this trend to be reversed. as a result of a stronger positive cash flow from an enlarged rental

In the year ended March 31. 1979, group profit, before tax, from £110:3m- to The dividend is in-.£118.1m. ereased from 11.45p to 13p per. share which is stated to be covered 4.2 times. If ED 24 were adopted in respect of inflation accounting it is estimated that the dividend cover would be at least 2.3 times. .

overall improvement of £27m in sidered necessary on fixed assets vision for deferred tax in this

ing rental equipment of £200.1m (£183.2m), and bank deposits and cash of £23.3m. (£13.8m). Overdrafts showed a reduction from £58.5m to £40.8m. Group capital commitments at

the year end stood at £22.2m. (£20.6m) of which £18m (£15.1m)

In addition substantial sums had been sanctioned and £4.2m

Lindustries warns of shortfall

mad of Lindustries. Warned shareholders at the AGM that, because of particularly difficult trading conditions; the hardening of sterling and significant losses at one subsidiary, profits for the current year might show a right-clien on those of his year, when the pre-tax figure turned in at \$7.24m.

The losses, which were con-

fined to a subsidiary specialising in mining equipment, presented an extremely difficult problem an extremely difficult problem, he stated, and it was by no means certain that there-would be arestoration of orders to either previous levels or even adequate

Trading within the group was running at lower levels of profitability than was the case at this time last year.

The company's interests lie in engineering, rubber and polymer and thread products.

TRUSTS REPAY

First Scottish American Trust Co. has repaid a USS2m line of credit, and Northern American Trust Co. a S3m line of credit. to Morgan Guaranty Trust Go. of New York

AerLingus



HIGHLIGHTS FROM ANNUAL REPORT for year ended 31 March 1979

* Net profit IR£4.02 million after depreciation, interest and taxation.

* Revenues IR£190 million.

* Record 21 million passengers carried.

* Three additional aircrast ordered, option on a fourth.

* Profits from ancillary activities up 28%.

* Airline now operates 23 hotels.

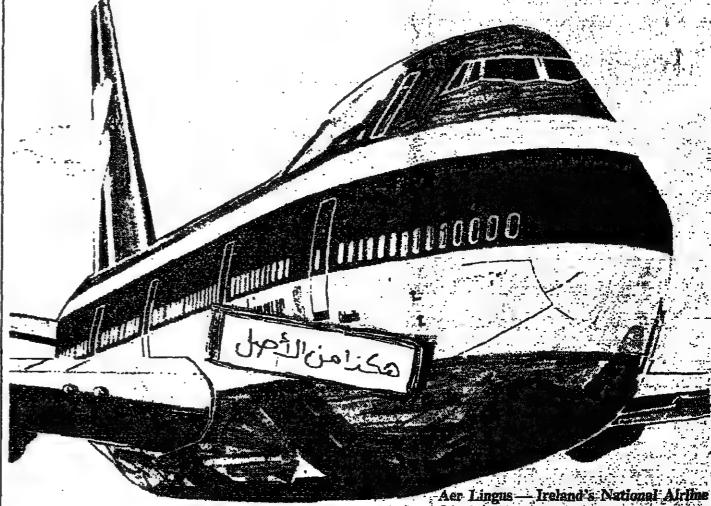
★ Equity capital increased IR£15 million by Irish Government to IR£43.6 million.

★ 1979/80 prospects uncertain due fuel

cost escalation and sluggish markets.

A GLANCE
1979 1978
IRE 000 IRE 000
190,000 163,000
7,316 8,225
4,019 4,615
2,237,882 2,019,603
59,677 63,643

OFIT CONTRIBUT	ION BY	SECT
Year ended 31 March	1979	1978
Air transportation profit (loss)		JR£'000 232
Aviation related services	7,562	6,027
Hotels, leisure, catering	3,332	2,414
Financial and computer services	1,077	902
Total	9,053	9,575
Less central services	1,505	1,273
Profit before interest .	7,548	8,302
Less interest	3,529	3,687
Net profit	4,019	4,615



Lin or Back Lumited

resistance, and any activity by the Bank of England at the lower levels, was fairly insignificant. was probably overdone, and it seemed inevitable that any correction was likely to be equally dramatic. Against the dollar it opened at \$2.2900 and rose to \$2.2945 before easing to 32.2780 before 10 am. By lunch-time it had steadied at around \$2.2800 before plunging 3 cents to \$2.2500. Trading at this point became very patchy and volatile, and sterling was quoted it times with half cent spreads. By mid-afternoon it had re-covered slightly to \$2,2600; but with business thinning out and financial centres in Europe clos-

ings, the pound's fell met little

closing level.

Against the Demark, the pound fulshed at DM 41225, sharply down from Monday's close of DM 42425, while the French franc was quoted at FFr 9.57 compared with FFr 9.8375. Apart from its performance against sterling, the dollar showed little overall movement. Dealers were unwilling to commit themselves to a firmer trend in the U.S. unit, but pointed

CURRENCIES, MONEY and GOLD

STERLING RECORDED its big noticeably since the nomination gest one-day fall since January of Mr. Paul-Volcker as chairman of Mr. Paul-Volcker as chairman of Mr. Paul-Volcker as chairman of the Federal Reserve Board, and its commitment to reduce inflation.

The dollar finished at dollar suits had been quoted higher at weighted index fell to 72.1 from DM 1.835; against DM 1.8325, but had been quoted higher at but had been quoted higher at DM 1.8430 earlier in the day. Similarly against the Swiss france and 72.9 in the morning. The pound was already showing a softer tendency in overseas markets, prompted by improved sentiment in the dollar. With a general switch mit of long sterling positions and heavy figures, its trade weighted index rose to 84.6 from 34.3.

FRANKEURT-The dollar was in the absence of any central bank support, the U.S. unit rose to DM 18410 during the morning, backed by favourable com-ments from the U.S. Administration on the need for a stable dollar to combat inflation. - Elsewhere sterling fell sharply at the fixing to DM 4.1950 from DM 4.2230.

MILAN-The lira was sharply weaker against the dollar but improved against sterling and

EMS currencies:
TOKYO—The dollar finished shightly firmer against the yen yesterday at Y216.875 compared with Y216.225 on Monday. After opening at Y217.50, the U.S. unit touched Y217.80 on favourable comments by Mr. Paul Volcker, chairman designate of the Federal Reserve Board, over his lotention to combat inflation by of export transactions. Trading larly heavy.

EMS EUROPEAN CURRENCY UNIT RATES

THE POUND SPOT AND FORWARD

	Day a			70	INTER	74
July 31	spread	Ciose	One month	p.a.		p.3.
บ.ร.	2.2470-2.2945	2.2470-2.2490	0.78-0.68c pm	3.90	1.52-1.82 pm	3,33
Canada .	2.6270-2.6775	2.6270-2.6290	0.78-0.68c pm	3.34	2.05-1.95 pm	3.04
Methind.	4.51-4,63	4.52-4.53	27-17c om	6.30	63-55 pm	5.52
Belgium	65.80-67:30	65.85-66,05	20-10c pm	2.91	50-40 pm	2.73
Denmark	11.86-12.10	11.87-11.89	24-4ore pm		13-34 dis	-0.75
ireland	1.1025-1.1100	1.1030-1.1040	25-35p dis		80-90 dis	-3.08
W. Gar.	4.71-4.22	4.113-4.123	34-24pf pm		9-8 pm	8,24
Portugal	109,50-112.75	109,65-110.05	40-100c dis		120-220 dis	-6.19
Spain	148,40-151,35	148.40-148.55	280-330c dis			-20.74
Italy	1,841-1,883	1,842-1,844	ire dis الوجود Z		9-11 dis	-2.17
Norway	11.33-11.56	11.34-11.36	51-31 ore pm	5.02	151-131 ₂ pm	5.11
France	9.56-9.70	9.5812-9.5712	21-11-c pm		6-5 pm	2.22
Swedon	9.47-8.65	9.47-9.49	Zore pm-per		4-2 pm	1.26
Japan	486-500	486-488	4.15-3.80y pm		10.85-10.5pm	10.67
Austria	30,20-30,95	30.24-30.34	22-12gra pm		\$8-48 pm	6.99
Switz.	3.72-3.83	3.73-3.74	34-24c pm		127-117 pm	13.25
	en rate is for		nes. Financial		.40-68.40c pt	p.

THE DOLLAR SPOT AND FORWARD

% p.s.
3.33
6.90
0.30
2.04
-0.61
-4,15
4.77
-9,55
25.11
-4.87
1.74
-0.91
-1.71
5,21
3.78
9.69
niums
rency.

CURRENCY	MOYEN	MENTS	CURR	EN	Y RAT	res
July 51	Bank of England Index	Morgan Guaranty changes %	July 50	Bank rate %	Special Drawing Rights	European Currency Unit
Sterling U.S. dollar Canadian dollar Austrian achilling Bergian franc Danish-kroner Deutsche Mark Swiss franc Guildat French franc Lira Yon Wachington agreen (Bank, of England	147.1 714.2 113.5 161.4 196.8 123.2 98.9 65.2 151.9 ighted cha	nber, 1971	Bterling	10 1134 1054 1054 1054	1069.21 283.294 6.56421 86.2321 5.47475	0.600641 1.39319 1.62905 18.6617 40.6149 7.82050 2.54187 2.79264 5.91408 1140,32 301,277 7.00007 91,9852 5.84330 8,30015

OTHER	MARKETS

July 81	£	8	[E Note Rates
Argentina Peso	3083-3198 1.9985-2.0035	0.8800-0.8900	Austria Belgium	30-31 68.5-70,0
Brazil Gruzeiro Finland Markles Greek Drachma.	58.41.59.41 8.64-8.56	8.8355-3.8575	France Germany	11.90-12.00 9.60-9.76
Hong Kong Dollar	11.645-11.670 162.144-168.90	5:1570-5.1620 72-75	Japan	1,850-1,900 495-505
Kuwait Dinar (KD Luxembourg Frg.	85.85-55.05	29.5E-29.34	Netherlands Norway Portugal	4,50-4.60 11.45-11.60 107-110
New Zanland Dir. Saudi Arab, Rival.	2.2290-2.2350 7.61-7.73	0.9900-0.9940 3.3640-3.3655	SpainSwitzerland	148-152 8.70-3.80
Singapore Dollar. 8th. African Rand	4,8725-4.8950	2.1615-2.1625	United States	2.255-2.27 44.6-46.5

July 51 PoundStarling U.S. Dollar	Douglohem K Japan se Ye	FrenchFranc Swiss F	rang Dutch Guild's	Italian Lire	Canada Dollar	Beigian Frans
Pound Sterling 1 2.248 U.S. Dollar 0.448 1	4.125 487.0 1.834 915.6	9,570 8,72 4,257 1,66		1843, 819,8	2.628 1.169	55.95 29.54
Dautschemark 0,245 0,546 1,000 2,015 4,615	8.465 118.1 1000.	2,521 0.90 19,65 7,56		447.1 3 784 .	0.637 5.396	18.00 185.4
Franch Franc 10 1,046 9,348 9,348 0,565 0,665	4,308 508,9 1,104 180,4	10. 5.90 5,569 1.	4,798 1,212	1926. 495,4	2.746 0.704	58.91 17.66
Durch Golder 0.931 0.887 1280 1280	0.919 107.8 2.387 264.9	5,195 0.89 5,195 2.09		407.3 1000,	0.581 1.426	14.57 35.78
Canadian Dollar 0.881 0.865 Belgian Franc 100 1.516 5.409	1.589 / 186.8 5.85 p 788.4	3.642 1.42 14.51 6.66		701,5 2795,	ī. 5.985	25.10 100.00
	- 112 1 - 1					

FURO-CURRENCY INTEREST RATES

The following nominal satisf ware quoted for London	dollar cardiffersia of deposit: on	e month 10.80-10.90 per cent: three	months 10.85-10.85 per cent; six
The following nominal rates were quoted to London months 40.90-11.00 per cent. one year 10.30-10.00 per cent.	1 Tage (1997)		•
Canadian	to the second second second	est German,	
the same with the same of the	The shale the state of the same of the sam	Branch Francisco I Seellen I	in Adam C Innones Ver

July 51 Starling U.S. Poliar Dollar	Duton Guildet Swiss Franc	Mark French Franc	italian Lira	Asian \$.	Japanese Yen
Tenort term	814-819 69-74 811-816 19-71 840-878 11-71-78 819-986 11-71-78 918-978 23-8-74 989-989 23-8-74	6 15 - 5 - 11 14 - 11 14 6 15 6 15 6 15 6 15 6 15 6 15 6 1	18-171g 141g-151g 16-16 161g-161g 151g-161g 151g-161g 18-16	1078-11 11-1118 11-1118 1118-1114 1118-1114 1018-1016	3 - 819 5-612 5-7-5 5-7-512 614-613 5-1-5-11

INTERNATIONAL CAPITAL MARKETS

New York Fed adds reserves

The New York Rederal money rates were generally 121 per cent for three-month Reserve, Bank injected liquidity firmer yesterday with call money deposits and to 111-113 per cent into the market yesterday by at 6.10-5.20 per cent against 6.30- from 111-113 per cent for six-making overnight repurchase 6.10 per cent and one-month month. The 12-month rate was money rising to 6.40-6.50 per also firmer at 102-103 per cent trading at 1013 per cent at the time, and uncertainty still three-month rate was quoted at previously.

Temained is 10 the likely Fed 6.90-7.00 per cent compared with PARIS — Call money rose to 12 per rate.

Treasury bill rates were little per cent, and 12-month 7.45-7.55 while longer term rates were changed in early trading, with per cent from 7.40-7.80 per cent unchanged.

13-week bills at 9.15 per cent at methoday's auction and 9.36 per for the Belgian franc (connect the money market were generated for 25-week bills against cial) were unchanged for one ally steady, with call money at month at 121-123 per cent but 93 per cent and overnight FRANKFURT — Interbank rose from 12-124 per cent to 124 business dealt at 93 per cent.

me, and uncertainty still three-month rate was quotest at more rounding as 10 the likely Fed 5.90-7.00 per cent compared with PARIS — Call money rose to arget rate.

7.20-7.30 per cent from 7.20-7.40 with 10t per cent on Monday, hanged in early trading, with per cent from 7.40-7.50 per cent while longer term rates were little per cent from 7.40-7.50 per cent unchanged.

Slight

Trading in the London bullion market remained very volatile yesterday, and gold closed \$21 an ounce down at \$2984-2994 After Monday's sharp fall, the metal opened at \$2944-2954 with a low of \$2944-295. These lower levels attracted a good deal of interest and through the day gold rose over S4. However trading remained very volatile and reflected the current uncertainty in foreign exchange

> July 31 | July 30 Gold Bullion (fine ounce)
>
> \$28619.29914[\$350054.30116
> (£182.2-182.5) (£128.7-189.2)
>
> ng\$22414.29514[\$3505.3054.4
> (£182.4-128.5) (£151.6-182.0)
>
> ng\$295.35 [\$304.65]
>
> ng\$2129.426] (£131.352)
>
> noon \$2896.45 [\$3501.40]

Gold Coins, domestically
Krugerrand 350814-51014[551134] 31334
[£136-137] [£134-135]
New [\$77.79] [\$791_2-112]
Sovereigns [£4-55] [£353_2-543_4]
Old \$102-104 \$1061_2-1081_2
Sovereigns [£45-46] | {£451_2-461_2}

Krugerrand, \$3084, \$104, \$3115, \$185, \$1256, \$137, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$185, \$18

fixed at: Fr. 43,200 per kilo (\$314.37 per ounce) compared with Fr 43,600 (\$315.12) in the

morning and Fr 43,900 (\$321.57) on Monday afternoon.

\$10612.10812 (24512.4612) \$421.426 8237.242 \$177-182

In Paris the 124 kilo bar was

UK MONEY MARKET

Moderate help

Caince June 12, 1979)

cent for secured call loans at the interbank market, overbay-to-day credit was in short start, and closing balances were alight loans opened at 131-141 per supply in the London money taken down to 13 per cent. Cent and rose on the forecast to market yesterday, and the The market was faced with a 14-141 per cent before easing authorities gave assistance by small ner, take up of Treasury slightly to 13-141 per cent, where buying a small amount of bills to finance, with moderate a lot of business was seen. During Treasury bills and a small family also drained in respect of the afternoon rates tended to number of corporation bills end-of-month oil payments. On case, with closing balances taken This was in addition to leading the other hand banks brigght between 12 per cent and 13 per a small amount to one or two forward balances a little way cent.

houses at MLR for repayment above target and there was a Raies in the table below are today. Total assistance was inciderate excess of Government mominal in some cases.

Bank of England Ministern termed as moderate. Discount disbursements over revenue Lending Raic 14 per cent houses were paying 133-134 per transfers to the Exchequer. (since June 12, 1979) cent for secured call loans at the 1n the interbank market, over-

. In the interbank market, over

LONDON MONEY RATES

July 31 Cortificate Interbank 1979 of deposit	Local Local Authority negotiable deposits bonds	House	Company Deposits	Market deposits	Treasury	Bank Bills ø	Fine Trade Bills &
Cvernight 12-14a 2 days proce. 7 days notice. 1416-144a 145 146 144 145 146 146 146 146 146 146 146 146 146 146	1414,1414 1416,1414 1416,1414 1416,1414	1454 1434 1434 1434 1436 1534 1318	145a 145a	13-14 13-16 13-16 13-16		144 144 145 15 13 13 13 13 13	141g -144g -1414 -1534

table are buying rates for thing maper. Buying rates in the part of the part o

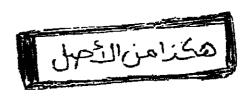
MONEY RATES NEW YORK
 Prime Rata
 11.5-11.7

 Fed Fonds
 10.8125

 Treasury Bills (13-week)
 9.15

 Treasury Bills (26-week)
 9.28
 GERMANY . FRANCE

JAPAN



This announcement appears as a matter of record only.

\$125,000,000

European Coal and Steel Community

93/4% Bonds, Due August 1, 1999

Lehman Brothers Kuhn Loeb

Morgan Stanley & Co.

The First Boston Corporation

Lazard Frères & Co.

Warburg Paribas Becker

Goldman, Sachs & Co. Merrill Lynch White Weld Capital Markets Group Salomon Brothers

ABD Securities Corporation Atlantic Capital Bache Halsey Stuart Shields

Basle Securities Corporation Blyth Eastman Dillon & Co. Bear, Stearns & Co. Dillon, Read & Co. Inc. Donaldson, Lufkin & Jenrette Drexel Burnham Lembert

EuroPartners Securities Corporation E. F. Hutton & Company Inc. Kidder, Peabody & Co.

Loeb Rhoades, Hornblower & Co. Paine, Webber, Jackson & Curtis

L. F. Rothschild, Unterberg, Towbin Shearson Hayden Stone Inc.

Wertheim & Co., Inc. Dean Witter Reynolds Inc.

Amsterdam-Rotterdam Bank N.V. Banca Commerciale Italiana Banca Nazionale del Lavoro

Banque Générale du Luxembourg S.A. Banque Internationale à Luxembourg S.A.

Kredietbank S.A. Luxembourgeoise

Smith Barney, Harris Upham & Co.

Lazard Frères et Cie,

UBS Securities Inc.

July, 1979

البنك السعودى العالمي المحدود Saudi International Bank AL-BANK AL-SAUDI AL-ALAMI LIMITED

Extract from the Interim Balance Sheet at 30 June 1979 31 December 30 June 1979 £000 £'000 50,000 Authorised share capital 50,000 38,000 25,000 Issued share capital 2,763 Reserves 2,913 Shareholders' funds 40,913 27,763 447,929 Deposits 549,933 150,782 150,571 Loans, less general provision Total assets 606,487 487,664

Highlights from the Executive Director's Interim Statement

During the first six months of 1979, the Shareholders' funds have increased to £40,913,000 from £27,763,000, and total assets to £606,487,000 from £487,664,000. The increase in Shareholders' funds was due to earnings generated in the six month period and to an increase in the paid up capital, of which £12,280,000 was subscribed for in cash by the Shareholders and the remaining £720,000 represents a bonus issue of shares.

A banking subsidiary was formed in Nassau in March 1979 and has received its licence to operate.

H.E. Sheikh Mohammed Abalkhail, Chairman

Kingdom of Saudi Arabia Edgar C. Felton Executive Director and Chief Executive Officer H.E. Sheikh Khalid M. Algosaibi

Vice-Governor of the Sandi Arabian Monetary Agency Dr. Mahsoun B. Jalal Vice-Chairman and Managing Director of the Saudi Fund for Development

The Saudi International Bond Fund, a unit trust, was established in Jersey and offers individual and institutional investors an opportunity to invest in an actively managed international bond portfolio.

The Bank's commercial banking and foreign exchange business continued to expand and earnings are well ahead of last year's at the same date.

With our particular expertise in Saudi Arabian business in continued demand, we are optimistic for the balance of this year.

Deputy-Chairman and Managing Director of the Riyad

The Rt. Hon. Lord O'Brien of Lothbury, G.B.E., P.C.

Board of Directors H.E. Sheikh Abdul Rahman Al-Sheikh

Minister of Finance and National Economy of the

Retired Governor of the Bank of England John M. Meyer, Jr., K.B.E. Retired Chairman of Morgan Guaranty Trust Company of

Bank Limited

Pierre Ledoux

Chairman of Banque Nationale de Paris

Saudi Arabian Monetary Agency, Riyad Bank, National Commercial Bank (Saudi Arabia), Morgan Guaranty Trust Company of New York, The Bank of Tokyo, Banque Nationale de Paris, Deutsche Bank, National Westminster Bank and Union Bank of Switzerland.

The Bank with special expertise in Saudi Arabia

Copies of the Interim Balance Sheet at 30 June 1979 may be obtained from the Secretary, Saudi International Bank, 99 Bishopsgare, London ECZM 3TB. Telephone (01) 638 2323:

NORTH AMERICAN NEWS

Flintkote agrees to \$375m offer

STAMFORD - Flintkote the building materials group and Kohlberg Kravis Roberts (KKR) have agreed in principle for a group of investors, through a corporation to be organised by KKR, to acquire Flintkote for \$52 a share cash.

At June 30, Flintkote had about 7.2m shares of common outstanding which puts an immediate value of \$374.4m on the bid. An additional 146,500 shares are issuable on conversion of Flintkote's outstanding

convertible preferred stock. The acquisition is subject to arrangement of necessary financing and disposition of certain assets by Flintkotes.

Flintkote said KKR has had a favourable preliminary indi-cation from a major financial institution that it would pro-vide a significant portion of the financing.

The transaction is also subject to completion of a definitive agreement, filings with regulatory bodies, and approval of the agreement by Flintkote's Board and shareholders,

KKR will receive certain minimum fees from Flintkote which will be reimbursed by the Investor group on completion of the transaction.

materials and products for the building and construction industries in the U.S. and Canada.

KKR is a New York-based Investment firm which, with affiliates, is a principal investor in a number of industrial com-

A group headed by KKR recently completed the acquisishout \$550m.

Genossenschaftliche Zentralbank

Aktiengesellschaft

Vienna

U.S. \$40,000,000

Floating Rate Notes Due 1989

In accordance with the provisions of the Notes, notice is

hereby given that for the initial three month interest period

from 1st August, 1979 to 1st November, 1979 the Notes

will carry an Interest Rate of 1170 oper annum. The relevant Interest Payment Date will be 1st November, 1979. The

Credit Suisse First Boston Limited

Agent Bank

NOTICE

To the holders of the Floating Rate London Dollar Certificates of Deposit due August, 1982, of:

DOW BANKING CORPORATION

108, Fenchurch Street, London, EC3.

We hereby certify that the rate of interest payable on the above mendloned Certificates of Deposit for the Interest Period beginning on the 2nd day of August, 1979, is 111 per cent per

annum and the interest Payment Date relating thereto is the 4th day of February, 1980.

ALLEN HARVEY & ROSS INVESTMENT MANAGEMENT LTD. 45 Cornhill, London EC3V 3PB. Tel. 01-623 6314 Index Guide as at July 26, 1979

Capital Fixed Interest Portfolio

Income Fixed Interest Portfolio

EUROPEAN BANKING COMPANY LIMITED

Coupon Amount per U.S, \$1,000 will be U.S. \$29.23.

Further cutbacks may hit Liggett's second half profit

charge of \$3.6m or 42 cents a goodwill. share as a result of cutbacks associated with a planned consolidation of the group's domestic cigarette operations. The company said that additional charges to future earnings may result if further reductions are

The group's net income shows decline from \$23.8m or \$2.58 share to \$7.33m or \$3 cents a share, on sales of \$276m against \$257.7m. But this picture is distorted by the sale of the foreign cigarette business last year. Second quarter earnings for 1978 included an after-tax gain of \$30.4m or \$3.34 a share from

the sale, earnings from the

SECOND QUARTER net income business sold of \$2.3m or 26 of the cigarettes, tobacco, drinks cents a share, and an after-tax and pet food concern Liggett charge of \$17.3m or \$1.91 a Group were hurt by an after-tax share for the write-down of Excluding these items, net

earnings would have \$10.9m or \$1.26 a share in the current second quarter, compared with \$8.5m or 89 cents For the first six months, Liggett turned in net income of \$19.9m or \$2.29 a share com-

pared with \$33m or \$3.55 a share. First half sales advanced from \$482.5m to Cigarette sales in the quarter continued to decline, but operating income was higher. Sales of chewing and smoking

operating income was lower.

Another major tobacco com-pany, U.S. Tobacco, had record net income from the second quarter of \$7.65m or 86 cents a share compared with \$6.87m or 78 cents, from sales of \$56.93m against \$51.75m. First half net income of \$15.47m or \$1.74 a share was also a record, and compared with \$13.65m or \$1.55 last time. Sales for the tobacco rose slightly, but six months rose from \$101.23m to \$112.05m.

Mr. Raymond J. Mulligan.

president, said that sales and

operating income from the com-

pany's main drinks brands were

significantly lower due to re-

duced buying by the trade in

resistance to price increases,

but these lower results were

more than offset by higher

cigarettes and pet foods.

income

operating

Asbestos loses appeal on State takeover

MONTREAL - Asbestos Corporation has lost a bid for temporary injunction to block its possible expropriation by the Quebec govern-

Justice Albert Mayrand of the Quebec Court of Appeals refused the injunction, citing a legal requirement that three judges preside in such a case. Corporation which is 54.6 per cent owned by General Dynamics, lost its bid for a permanent injunc-tion in Superior Court last

It appealed to Justice May-rand while the Full Appeals Court is adjourned for the summer. The company has said it will appeal to the Full Appeals Court when the court resumes deliberations in

Quebec has threatened to expropriate Asbestos Corporation if it cannot reach agreement with General Dynamics on terms of a takeover.

Dillon share split

Dillon Companies, the retail group, pushed earnings up by 21 per cent to \$33.6m, or from \$1.72 to \$2.08 in the year to June 30, on sales of \$1.79hn against \$1.47bn. A three-for-two share split and a quarterly dividend of 27 cents on the split shares was also an-

Conoco spending

RAKADA INNS

Conoco has increased its 1979 capital spending programme by \$130m to a total of \$1.5bn, compared with \$1.1bn in 1978, Reuter reports

179.6m 6.7m 0.25

W. R. Grace sees sharp gain

NEW YORK-W. R. Grace, the chemicals, food, oil and paper group, expects 1979 earnings to rise as much as 20 per cent to \$210m or \$4.80 a share despite a \$13m (or 30 cents a share) loss from the now completed sale of its Italian pasta business, according to Mr. Charles H. Erhart, Jr., execu-

tive vice-president. Total sales for the year are expected to top the \$5bn mark for the first time. Sales in 1979 were \$431bn.

Grace's 99 per cent interest in Barilla SPA, one of the world's largest pasta producers, was sold for \$65m to Finbarilla. a joint Italian-Swiss holding company headed by Italian in-

The Barilla family had sold the ward The sale of Barilla is the last in a series of divestments of grocery products businesses The loss from the sale of Barilla will be reported in the third quarter, causing earnings for the period to be "definitely down" from last year's \$43m or

\$1.07 a share. Earnings projections for the year take into account a mild. recession lasting through the fourth quarter. The specialty chemicals and natural resources husinesses are expected to do well despite the economic down-

Grace had revised its earn-

Not profits ... Net per share Siz menths

vet profits ... Vet per akare

Not profits . Not per shere

Not per shere

BALTIMORE GAS AND ELECTRIC

BORDEN INCORPORATED

CHAMPION SPARK PLUG

DIO GIORGIO

Net profits ... Net per share

SOSTER WHEELER

Second quarter Not profits Not per share Six Months

Net profits ... Net per share

KMSTRONG CORK

AMERICAN QUARTERLIES

\$ 342.8m 336.2m 18.1m 20.7m 0.70 0.80

669 5m 619.3m 35m 35.1m 1.35 1.36

525.4m 488.1m 69m 57.9m 1.92 1.91

1976 S

1978 \$ 152m 10,6m 0.28

269 6m 3.69m 0.57

12.09m 0.72

dustrialist, Sig. Pietro Barilla. ings projections "slightly up because results for the pasta company to Grace in 1971. first half were better than expected. reported, earnings for the first six months of 1979 were \$114.7m or \$2.11 a share on

> Earnings for the full year are expected to rise by 15 per cent to 20 per cent over last year's restated \$169m or \$4.01 a share and results would "probably be more on the upside" of that estimate and could increase by more than 20 per cent. Earnings for 1978 were restated to reflect changes in accounting for oil and gas profits and a pooling of interests from acquisitions.

HARSCO CORPCRATION

Net profits Net per share . Six months

Net profits Net per share .

Not per share Six months

HOBART CORPORATION

MAPCO INCORPORATED

NALCO CHEMICAL

Met profits ...
Met per share
Six months
Not profits
Not per share

10.18m Net profits
10.18m Net per share
10.19m Twelve menths
10.97m Net profits
10.19m Net per share
10.19m Net per share
10.19m Net per share

5 31m 1.18 1878

221m 14.2m 1.46

421.4m 23,4m 2.42

180.1m 180m 0.95

30.9m 1 55

229.6m 21.4m 0.71

U.S. Steel lifts earnings but sees gloomy outlook

BY DAVID LASCELLES IN NEW YORK

in profits. Second quarter ne: income was \$145.4m or \$1.69 per share; up 24 per cent on last year's \$117.3m or \$1.38 a share while sales rose \$700m to. \$3.6bn. These results brought six month earnings to \$187.4m or \$2.19 a share, and revenues earnings improvements behind to \$6.7bn. Comparable figures it, return on sales and equity for the first half of last year were still substantially below

U.S. STEEL, the largest U.S. In the quarter, U.S. Steel steelmaker, has notched up its produced 8.5m tons, up slightly fifth consecutive quarterly rise on last year's 8.4m, and shipped 6m tons compared to the previous year's 5.4m. These shipments were the highest since the third quarter of 1974.

Mr. David Roderick, chairman, said that although U.S. Steel now had five quarterly were \$58.6m or \$0.69 a share, manufacturing industry aver-

Mr. Roderick also indicated that the immediate business prospects were gloomy. The steel order rate has fallen off with no immediate signs of an upturn, he said, adding that he is concerned about the shipments level for the fourth quarter. Mr. Roderick warned that as demand softens in the second half of the year, it is even more imperative that the U.S. Anti-Dumping Laws be vigorously enforced.

INTERNATIONAL CAPITAL MARKETS

DM bond yields move lower

ing a DM 200m private placement with a bullet maturity of 10 years through Deutsche Bank. Priced at 991 to yield 7.20 per cent, the issue has been well received and early premarket quotes suggest it will trade at a discount of 1 to 3 of a point.

The yield this bond offers to investors is the lowest for DM. denominated paper in at least private placement for Golden four months. An issue for the Council of Europe with an average life of seven years of Ultramar. The coupon is average life of seven years of per cent and the bonds have floated last April yielded 7.25 been priced at par.

THE WORLD BANK is arrang per cent while a Megal Finance ing a DM 200m private place bond (average life nine years) floated last February offered 7,14 per cent.

Foreign DM bonds were firm yesterday while good demand for domestic DM issues allowed the Bundesbank to sell DM 20m worth of paper.

Prices in a quiet Swiss franc sector eased slightly. Union Bank of Switzerland has arranged a SwFr 50m six-year

A Swfr 100m bond for Shikoku Electric Power Company is expected through the same bank later this week

Prices of sterling bonds fell by up to a full point as today's tall in the UK currency encouraged selling. The 121 per cent FFI 89 bond closed at 981-91 yesterday. On Friday it traded at 991-1001.

In the dollar sector prices were marked up by an average of 1 per cent but there was no real buying interest. Activity

Eurocurrency loan for EFIM

BY JOHN EVANS

EFIM, the Italian state holding company in the engineering and construction sectors, is raising \$150m via a ten year syndica-ton on the Eurocurrency markets. The agency has not so tapped in the Euromarkets in its own name before. The funds will be used for general capital expenditure purposes.

The credit will carry a spread of } per cent for the first two years, I for the next two years, for the following two years. and I per cent for the last four

Elsewhere, one of Mexico's leading private Industrial Groupo arranging \$75m with a banking group headed by Bank of America, Deutsche Bank and Grindlays Bank. The ten year

facility carries spreads ranging between and 1; per cent. The Government of Fiji has awarded a mandate to Continen-

The lead managers are S. G. 336m. The 10 year loan re-Warburg, Soditic and Midland portedly carries a spread of 1
Bank. per cent for the first six years: and i per cent for the remaining four years.

In the Middle East, Deutsche Babcock has arranged a 37m Kuwaiti dinar (\$135m) medium term facility among a group of Kuwaiti banks, managed by the National Bank of Kuwait. It is understood the loan will

be used in connection with contracts awarded to the German company in the Middle East. tal Illinois Limited to raise particularly Kuwait

957, 957, +0% -0% 10.10 85% 98% +0% -0% 11.07 95% 89 0 -0% 10.32 87% 87% 0 -1% 10.71

\$ 81.0m 2.17m 0.09 FT INTERNATIONAL BOND

The list shows the 200 latest international bond issues for which an adequate secondary market exists. For further details of these or other bonds see the complete list of Eurobond prices published on the second Monday of each month.

Closing prices on July 31 OTHER STRAIGHTS

JI CONTONIO	FRESHAM	RIG Olidi Re's Made I Mid.
Alcoa of Avatralia 19 88	60 30	96 961 ₂ -11 ₄ -31 ₄ 10.62
Alex Howden XW 92 91	30	83's 84's +0" -0", 12.18
Austrahan Res. 94 84	30	007 04 1 1 04 1 04 15 10
AUSTRALION URS. 24 04	30	97° 88 0 0 10.22
Avco 0/5 Cap. 104 87	40	864 974 - 05 - 03 10.82
Bayer Int. F. XW 74, 89	200	837, 847, +07, +04, 9.99
Beneficial Fin. 93, 87	100	88 985 +05 +05 10.08
DEC 1 00 DA 00		
CECA 99 84-89	50	944 944 +04 -04 10.02
CEGA 10% 81	150	87% 28% +01, +03, 11.05
Canadian Pacific 94 89 Carter Hawley 94 88	50	374 984 +04 -04 10.08
Compact Foundation Ch. 642	30	0/2 and TUT -UT 10.00
PELIGE STRAINS 3-7 99 ***	90	86' 974 -04 -04 10,37
Comalco inv. E. 104, 91 Continental Grp. 84, 86	40	881 ₂ 190 0 +01 ₄ 10.28
Continental Gro. 9% 86	100	87's 97's 0 +0's 10.17
Dome Petroleum 10 94	50	
South Landing in Se		96 96 0 +04.10.48
Dominion Bridge 104 84	30	993, 10014 +C1, +01, 10.24
Dow Chem. 0/8 95 94	200	967, 971, +01, -11, 9,99
ID OL SE	150	DD1 001 0 11 17 3,33
19 97 90	190	88's 99's 0 -0'-10.05
18 97 99	100	53 2345 U ~ U4. TO.21
18 9% 67	150	1001, 1901, 0 0, 10.04
18 9% 87	150	1001, 1001, 0 -07, 10,19
xport Dv. Cpn. 9.85 84	460	1001, 1001, 0 -07, 10,19
xbour har chur 3'99 9t	160	1001, 1001, 0 -04, 9.94
xport Dy. Cpn. 94 84	100	97 9712 -014 -014 10.00
inland 91, 86	100	974 974 +04 -04 10.04
inland 94, 89		001 071 TO1 - UL 10.04
ribiblid 24 m3	100	981, 981, 0 -01, 10,11
STE Finance 92 84	50	874 974 +04 -04 10.78
GTE Finance 8% 89	- 55	85's 86's -0's -0'z 10.43
TE Finance 84 89 Teneral Motors 94 86	700	377 877 0 -05 3.73
Cardel Inc. Ele. 63 AF	SQ	377 977 0 -05 9.73
sould int. Fin. 84 85		87's 98's +0's -0's 10.18
loschet Fin. XW 63 89	125	79 7912 0 -13 70.16
ludson Bay Co. 10 94	50	38 29 0 -14 70.15
IT Antilles 91, 89	76	98 ¹ , 99 0 -11, 70, 15 85 ¹ , 96 ¹ , 0 -04, 10, 15
11 Sallinas 9.1 69 """		00.1 20.0 0 -02 10'1F
Cennecott Int. 91, 86	100	34'4 80'4 11 - 13, 10 57
vianitoba 31, 89	75	25 96 0 -07, 10 11
var. Des Telocm, 91, 86	100	977 987 +01 -01 9.88
lew Brunswick 93, 94		96 96 0 -07 10 24
sea menistrice 3.2 34	75	95 961 0 -07 10.24
Newfoundland 10 84	50	98', 99', +0', -01, 70.14
lorsk Hydro 94 94	60	34 95 +01 -04 8.92
forway 9% 84	150	700 1001 0 -01 0 01
lorway 91, 84	100	
OLMAY 92 69	150	994 994 0 -04 9.32
lova Scatia Pwr. 94 89	50	37% 37% G -0% 10,16
Occidental Fin. 104 84	50	139 100% +0% +bz 20 21
Drient Leasing 94. 88	50 25	1954. 98 -01 71 70 70
ennwelt 0'S F. 9% 84	3	195': 96 +0'0'. 10.32 98': 98': -0'0'. 10.24
ambant 0.2 L' 47 94		30's 38's -U's -04 10.24
epsica Cap. 94 84	100	87% 98% D +0% 9.70
ortland 10 84	50	874 984, +04, +05 10.57
Suebec Hydro 10 99	75	95 96 0 -1 10.51
Padisard Cia Vita 61 64	7.5	95 96 0 -1:10.51
ANIBUG LIII. VAN 31 31	. 🚓	91 91 -01 -04 10.82
lediand fin. XW 91, 91 sats Roebuck 9 82	150	8/1 98' + 0' - 0\$' 9.82
tockholm 9% 84	60	981 991 0 -05 10.12
weden 94 89	100	384 984 +04 -04 9.98
and an Ol Off	100	DOS CON TON THE DIE STAR
weden 91, 86	200	385 991 0 -01 9.96

| DELITSCHE MARK | STRAIGHTS | Assued American Ex. Int. 5¹, 87 70 | Argentina 6¹, 88 150 | Argentina 7¹, 89 150 | Banco Deserrollo 7¹, 86 100 | Barciays 0'sees 6¹, 89 100 | CECA 7 9 1 150 | Conneci of Eur 7¹, 89 100 | Cenmark 5¹, 89 100 | Denmark 5¹, 89 100 | Denmark 6¹, 89 100 | Denmark 6¹, 89 100 | El8 6¹, 31 200 | Ele 7¹, 89 100 | El8 6¹, 31 200 | Ele 7¹, 89 100 | Ele 6¹, 31 100 | El 6¹, 31 100 | Nippon Kohan 6¹, 89 150 | Norvey 6¹, 84 100 | Nippon Tel. 8 T. 6¹, 87 100 | Norde Inc. 8¹, 6¹, 87 100 | Occidente 6¹, 89 100 | Cecidente 6¹, 89 100 | Tokyo Else. Per 6¹, 35 200 | Vende Bank 6², 88 00 | World Bank 7², 81 000 | World Bank 7², 81 000 | SWISS FRANCE

1915, 1917, -01, +03, 7.52

Change on to the control of the contro

Citcorp 10 83 E
EIR 94 88 C
FIR 11, 94 E
Finance Ins Ind, 13 91 E
Fin. Inc Ind, 17, 89 E
Gen. Elec. Cn, 12, 89 E
Forstom B 37 LuxFr
Norces Km, 8 88 LuxFr
Oslo, City of 8 89 LuxFr
Solvey Fin. 8 85 LuxFr FLOATING RATE

Straight Sonds: The yield is the yield to redemption of the med-price: the amount issued is in millions of currency units except for Yea boads where it is in billions. Change on week = Change over price a week earlier. Change on week = Change over price a week earlier.
Flooting first Notes: Denominared in dollars unless otherwise indicated, Coupon sheven is minimum. C. die = Date next. coupon becomes effective. Saread = Marqin above six mouth offered rate (4 three-month) for U.S. dollars. C. opn. = The current coupon. C. yid = The current yield.
Convertible bonds: Denominated in dollars unless otherwise indicated. Chy. day = Change on day. Criv. data = First data for conversion into where. Criv. price = Nominar. amount of bond per share expressed in corrency of share. at conversion rate fixed at insign. Prem = Percenting premium of the current effective arice.

From = Percenting premium of the current effective arice.

The price of the shares.

© The Financial Times Ltd., 1978. Haptoduction in whole of in part in any torm not permitted without writing tonisent. Data supplied by infundant Salvices to adjust of dataSTREAM international. Annote the design report (marriamental)

This advertisement complies with the requirements of the Council of The Stock Exchange.

Krung Thai (Cayman) Limited (Incorporated with limited liability in the Cayman Islands)

U.S. \$25,000,000

Guaranteed Floating Rate Notes due 1984 Unconditionally and irrevocably guaranteed as to payment of principal and interest by



Krung Thai Bank Limited

(Incorporated with limited liability in the Kingdom of Thailand)

The following have agreed to subscribe or procure subscribers for the Notes:

Manufacturers Hanover Limited

Abu Dhabi Investment Company Banque Nationale de Paris County Bank Limited

Arab Malaysian Development Bank Berhad Chemical Bank International Limited DBS-Daiwa Securities International Limited IBJ International Limited

Genossenschaftliche Zentralbank AG **Vienna**

only to the issue of the Notes.

The Notes, issued at 100 per cent, have been admitted to the Official List by the Council of The Stock Exchange subject

Full particulars of the Company and the Notes are available in the Extel Statistical Service and may be obtained during usual business hours up to and including 15th August, 1979 from the brokers to the issue: R. Nivison & Co.

1st August, 1979

25 Austin Friars London EC2N 2JB هكذامنالأجل

WALTER E. HELLER INTERNATIONAL ST PAUL COMPANIES Second quarter 37.20m 37.65m 1.77 1.80 STEEL OF CANADA 8.46m 0,74 SOUTHERN COMPANY 341 8m 307.1m 31.3m 34.1m 1.66 1.83 TEXAS GAS TRANSMISSION Second quarter 1978 S 15.0m 0.6a TEXAS UTILITIES NORTHERN STATES POWER COMPANY TWENTIETH CENTURY-FOX FILM 1979 Net ser share Six months Het per share . Unilever NV 94 87 ... 100 Warner-Lambert 9 84 ... 100 947.7m 804.6m 34.16m 10.99m 1.35 0.00 Not profits . Nat per share SYISCONSIN ELECTRIC POWER 1979 1978 5 5 183 2m 164.9m 16.25m 12 81m 0.87 0.70 서. WRIGLEY JR **ALLIED IRISH** BANKS Ltd. Capitalisation Issue

In view of the recent disruption of postal services in Ireland, at the request of the Stock Exchange, the last dates for splitting and for Registration of Renunciation as letailed on the recounceable illotment certificates have been extended as under:

> Last date for splitting: 13th August 1979 Last date for registration of renunciation:

15th August 1979 D. B. Motver, Secretary, Bankcentre, Ballsbridge, Dublin 4. 31st July, 1979.

Decline in

rates aids

Mitsubishi

MITSUBISHI CORPORATION,

Japan's largest trading company.

raised its consolidated net

income in the year to March 31

by 6.7 per cent to Y23.7bn (\$110m), but total trading

transactions dipped 4.9 per cent

interest

Itlo find new owners

espanies and Markets

THE Hollandsche Beton Group (HBG), the Dutch construction concern has agreed to take over a large part of the failed Neder borst building group. This brings an end to several months of efforts by Nederborst's liquidators, the Economics liquidators, the Economics Ministry and the unions to find purchasers for Nederhorst's building division.

Negotiations with the various purchasers for the Nederhorst companies, which had a comcompanies, which had a combined turnover of nearly FI ibn (\$500m) in 1977, are expected to bec empleted within a few months, the Economics Ministry said. After first attempting to sell off Nederhorst's building division as a single unit Mr. Gijs Van Aardeme, the Economics Ministry Aardenne, the Economics Minis-ter, decided in May that it would have to be split up.

Most of the Multibouw divi-sion, which is involved mainly in housing construction, will be taken over by the Van Der Vorm Baheer Group of Rotterdam while three of the companies will be acquired by their former owners of the present management. The larger Koninklijke Nederhorst Boaw division employing 5,900 of the total 7,300 workforce will go to HBG.

The buyers have given guarantees to maintain employ-ment at the companies they have acquired. The talks aimed at finding purchasers for Neder-horst, which started when the OGEM trading and construction group said it would not go ahead with the planned integration of Nederhorst, have involved most major contractors in the Nether-lands as well as some abroad, including the UK Wimpey

OGEM and the Dutch Govern ment first drew up a rescue plan for Nederhorst in 1975

when mounting losses threat-ened its existence.

Hest Stevin Construtors Lid.
owned by the Butch construc-tion and dredging group Best Stevin and by Geor Van Hees-wijk, has received a F1 125m (\$62m) order to build five hotels

The contract was awarded by Queiros Imoveis of Brazilia. The botels, to be built in five different cities.

Renault financing

Nin Nederhorst Matra takes major stake in telephone industry

BY DAVID WHITE IN PARIS

THE FRENCH Matra group is to take an important role in the European telephone equipment industry by acquiring control of the privately-owned Depacee

Matra, which has diversified interests in missiles, motor engineering, electronics and other high-technology sectors, has reached agreement to take a majority stake in three companies of the Depacee group by the end of the year. The companies produce mainly telephone receivers and intercom systems, and between them control about half of the French market for receivers, ahead of the ITT subsidiary CGTT and Thomson Eriesson, the former offshoot of Ericsson of Sweden. ...

The Depsepe group, which had a turnover of FFr 425m (\$100m) last year, is described as the leading European manu-facturer in its field.

Matra gave no details of its in 1978. It envisages developing agreement, reached in new prod collaboration with Banque de including move marks the second stage in Matra's effort to build a homogeneous communications division, with a broad production and marketing base.

In May it took over Peritel, a models specialising company telephone-linked services and products such as small electronic switchboards and radiocommunications, with 1978 sales of about FFr 100m. This development ties in with a joint venture between Matra and the U.S. Harris group, Matra-Harris, set up at the beginning of this year to produce integrated

Matra expects its turnover in the communications field this year to be well over FFr 600m, shown in compared with FFr 44m, out of the fa total group sales of FFr 2.2bn, interests.

in new products in the sector. l'Indochine et de Suez. The facilities for space programmes, in which it is already active. The Matra parent company

has up to now had an experimental communications now had an division, producing prototype for. telephone and postal systems videophones, telecopiers and the like but without a major manufacturing base. three The

Telephoniques Constructions Depaepe, Societe Industrielle Depaepe and Societe des Telephones Picart Lebas, employ about 3,000 people in factories concentrated mostly in Brittany, Another French group, Societe Anonyme des Telecommunications, had also shown interest in taking over family-held

Strike hits Aer Lingus earnings

BY STEWART DALBY IN DUBLIN

owned airline earned a net profit of 1824.02m (30.20m), in year ended March 1979 after charging depreciation of 1827.09m and interest of profit of IR£4.02m (\$8.26m) in

The results meen that despite higher turnover (IR£190m) higher turnover (hi.190m) there has been a drop in het profits since 1977-1978 when the figure achieved was £4.62m in sterling. Given the appreciation in sterling against the Irish punt the profit shortfall is even

Presenting the annual general, report yesterday. Mr. per cent over the previous year.

AER LINGUS, the Irish state Patrick Hayes, chairman, said According to the chief owned sirling carned a net that while the net profits might executive it now seems imposprofit of IR\$4.02m (\$8.26m) in appear reasonably satisfactory sible to avoid losses on year a 54 day strike early in 1978 had prevented the airline from reaching the much higher level of profit it needed and which it could have managed.

Had it not been for the strike —which consisted mostly of groundstaff — the net profit would have been closer to £8m in sterling. Losses seem to have occurred on the Atlantic route last year despite the fact the airline carried a record number of 2.5m passengers which was an increase of 11

According to the chief operations between round: Ireland and North America even with a record passenger load factor of 70 per cent Moreover, the outlook for the current year is clouded by higher fuel costs.

The airline is budgeting for a rise of around a quarter in revenue for the current year to IR£225m following solid traffic performances on almost all routes. But since March 1979, fuel costs had risen by 70 per cent-giving Aer Lingus cause

Pirelli gets go-ahead for restructuring programme

BY PAUL BETTS IN ROME

THE ITALIAN interministerial committee for Industrial Planning gave the go-ahead yester-day to a L65tm (\$7.9m) financial restructuring programme for Industrie Pirelli, the Italian operating company in the of L25bn will be subscribed by Dimlop Pirelli Union. Pirelli The operation of Pirelli is a Variation on the

Renault unit Sie Financiere increase of the company's capi original financial restructuring of Fonciere, is issuing a FFr tal from 1:108bn to 1175bn and proposals for Industrie Pirelli 200m floating rate at par on the Sie | consolidation of some which envisaged an increase of paris bourse. The fanding will 1:100bn of Industrie Pirelli's the company's capital to 1:163bn carry a maturity of ten years. Gebis at an interest rate of about or 1:10bn less than in the revised Reuter reports from Paris.

The capital increase will see the injection of some L40br from a consortium of leading Italian banks led by the Milanbased medium term credit institute Mediobanca The balance

Norwegian chemical group lifts profit

manufacturers chemicals and explosives, reports higher turnover more than half the rise reflected the acquisition of new companies. Export sales rose more to sharply than sales Norwegian market.

By Fay Glester in Oslo

INDUSTRIER, DYNO slightly improved profits during the first half of this year. Turn-over increased by NKr 104m to NKr 729m (\$146m), though

Sumitomo Metal

TOKYO — Sumitomo Metal Industries, the Japanese steel concern, raised its consolidated net income by 165 per cent in the year to March 31 to Y17.17bn (\$80m), from Y6.47bn the previous year. Sales rose to Y1,070bn (\$5bn), from ¥1,010bn.

Sumitomo attributed the better performance to a sharp recovery in steel prices on domestic and overseas markets, offsetting exchange losses stemming from the yen's appreciation against the

The company is unable to predict its consolidated business result for the current year, because of uncertain factors including crude oil price increases, foreign exchange fluctuations, and a higher official discount rate

But the company expects income before tax and special items in the first-half, up to September 30 to come to at least Y40bn, compared with Y35.67bn in the whole 1978

Premium income up at Harel

By L. Daniel In Tel Aviv

HAREL, the Israeli insurance company which hitherto has concentrated entirely on life business, reports that it increased its premium income in 1978 by 130 per cent to 1£35.6m (\$1.4m) and expects a similar growth rate this

Profits from life insurance business increased by 115 per cent to IEIm last year, and its overall after-tax profit by 235 per cent to 1£6.2m helped by investment income.

a low completion rate, first-half

earnings were only HK\$38.34m

(US\$7.4m), against HK\$79.02m

year earlier, A rash of completions in the

second-half, it said, would boost

recurrent full-year earnings to not less than HK\$200m, against

NEW ISSUE

BY PHILIP BOWRING IN HONG KONG

forecast a significant increase HK350.5m in the same period for the full year. Because of 1978.

HK\$132.6m in 1978. In addition, associate and Hong Kong's sole

Cheung Kong made extra- cement manufacturer,

Advance by | Domestic sales lift Matsushita

BY YOKO SHIBATA IN TOKYO

MATSUSHITA Electric Industhe world's largest manufacturer of consumer electronic and electric products, raised its consolidated net profits by 4 per cent to Y24.59ba (\$114m) in the second quarter, on sales up 7 per cent to Y576.64bn (\$2.7bn). The totals are records for any quarter. Share profits were Y21.1, against Y20.3 in the second quarter of the previous year.

The gain in profits and sales was chiefly the result of brisk domestic sales of high valueadded products which more or less covered a substantial decline in exports, of 10 per cent to Y130,810m. Consolidated net profits for

he first six months, to May 20, gained 4 per cent to Y44.04bn on consolidated sales of Y1.105bn, up 7 per cent over a year earlier. Per share profit for the first six months were Y37.8, compared with Y36.5.

A sizeable gain in exports of video tape recorders (VTR) failed to offset the drop in colour television set shipments, brought about by intensified trade restrictions and currency

المكنامن المنحل

fluctuations. Exports in the first six months dropped by 10 per cent to Y256.53bn, despite strengthening production of parts and products for its 29 overseas manufacturing companies. Only four overseas sales and manufacturing subsidiaries were included in Matsushita's consoli-

dated results.

The number of consolidated companies increased to 120, from a year ago including 101 domestic consumer sales companies. It was announced in late

June that Matsushita had raised net profits at the parent company level in the first half by 17 per cent to Y30.84bn, on 7.2 per cent to

Setback for SAAN

SOUTH AFRICAN Associated period, with a resulting profit Newspapers (SAAN) — the improvement. But although publisher of the Rand Daily cover prices of the group's the six months to June 30 operating profits fell 39.4 per cent to R611,000 (\$727,000), from Ri.01m in the same period last year. This arose despite higher advertising revenue, which was the main contributor o an overall revenue increase. Mr. Clive Kinsley, the managing director, expects enhanced advertising revenue in the that the final pay-out will be

Cheung Kong forecasts upturn

CHEUNG KONG (Holdings) a ordinary gains of HK\$136.2m another beneficiary of the promajor Hong Kong property in the first-half, a period when perty and building boom. Its development group, reported a the property market remained first-half profit more than

cents, on capital increased by

one-for-five bonus issue.

Meanwhile, Cement, a

Green Island Cheung Kong

Mail, Financial Mail, and Sun-daily newspapers have been in-day Times—has seen its first creased, thereby offsetting, to half results set back by a com- an extent, higher distribution bination of fuel, labour and and newsprint costs, the newsprint cost increases. In management has maintained the interim dividend at 8 cents, from earnings of 24 cents, against 1978 first-half earnings of 36.5 cents. Last year, on second half earnings per share of 74.8 cents,

an unchanged 25 cents final dividend was paid. With this year's unchanged interim dividend Johannesburg analysts feel

HK\$43.9m,

HK\$18.9m, before extraordinary gains of HK\$0.8m, against

HK\$3.4m. An interim dividend

Island expects

second-half to be even better

total of around HK\$100m for

a one-for-five scrip issue.

the year against HK\$43.6m

Kong than the first, pointing to a

doubled to

Yen CD issue rise in June

belonging to the Federation of Bankers Associations issued yenbased negotiable certificates of deposits totalling Y250,50bn in June, increasing their outstanding balance of CD issues to Y707.90bn (equivalent to \$3.3bn), the Bank of Japan announced.

Y114.30bn, to increase their outstanding balance to Y433.10bn, local banks Y94.50bn, to Y158.29bn, trust banks Y158.29bn, trust banks Y16.20bn, to Y78.20bn, and longterm credit banks Y25.50bn, to Y43.40bn.

All of these securities having been sold, this announcement appears as a matter of record only.



U.S. \$150,000,000

Canadian National Railway Company (Wholly owned by the Government of Canada)

9.70% Sinking Fund Debentures Due 2004

Interest payable January 15 and July 15

Principal and interest payable in The City of New York in lawful money of the United States of America.

McLeod Young Weir Incorporated Greenshields & Co Inc Salomon Brothers

The First Boston Corporation Lehman Brothers Kuhn Loeb A. E. Ames & Co.

Basie Securities Corporation Burns Fry and Timmins, Inc. Donaldson, Lufkin & Jenrette

Kidder, Peabody & Co.

L.F. Rothschild, Unterberg, Towbin

Smith Barney, Harris Upham & Co. Wertheim & Co., inc. **Bell Gouinlock incorporated** Pitfield, Mackay & Co., Inc.

ABD Securities Corporation A. G. Edwards & Sons, Inc. **Robert Fleming**

Ladenburg, Thalmann & Co. Inc.

Moseley, Hallgarten, Estabrook & Weeden Inc. Nomura Securities International, Inc.

Scandinavian Securities Corporation Stuart Brothers Thomson McKinnon Securities Inc. Tucker, Anthony & R. L. Day, Inc.

Goldman, Sachs & Co.

Merrill Lynch White Weld Capital Markets Group Atlantic Capital **Bache Halsey Stuart Shields** Bear, Stearns & Co. Blyth Eastman Dillon & Co.

Dillor, Read & Co. Inc. Dominion Securities Inc. E. F. Hutton & Company Inc. Drexel Burnham Lambert

Lazard Freres & Co. Paine, Webber, Jackson & Curtis Shearson Hayden Stone Inc. **UBS** Securities Inc. Warburg Paribas Becker

Dean Witter Reynolds Inc. **Wood Gundy Incorporated** Midland Doherty Inc. Nesbitt Thomson Securities, Inc.

Richardson Securities, Inc. Alex. Brown & Sons Daiwa Securities America Inc.

EuroPartners Securities Corporation Equitable Canada **Hudson Securities, Inc.** Kleinwort, Benson Levesque, Beaubien Inc.

> The Nikko Securities Co. Oppenheimer & Co., Inc. Wm. E. Pollock & Co., Inc.

Yamaichi International (America), inc. Nippon Kangyo Kakumaru International, Inc. New Japan Securities International Inc.

Sanyo Securities America, inc.

The Notes have been said autiside the United States of America. This sementaries appears at a matter of record only

the confidence about the out- of 60 cents was recommended.

come for the year as a whole. three times the year earlier It will be 18 cents, against 15 level—on capital increased by

US \$35,000,000

Texas International Airlines Capital N.V.

Guaranteed Floating Rate Notes Due 1986

Unconditionally Guaranteed as to Payment of Principal and Interest by

Texas International Airlines, Inc.

Smith Barney, Harris Upham & Co. Amsterdam-Rotterdam Bank N.V. Banque de Paris et des Pays-Bas

Genossenschaftliche Zentralbank-AG

Benque de l'Indochine et de Suez

Credit Suisse First Boston Banque Bruxelles Lambert S.A. Continental Illinois

Rothschild Bank AG

Kidder, Peabody International Banque Nationale de Paris Deutsche Girozentrale —Deutsche Kommunalbank—

Svenska Handelsbanken

Algemene Bank Nederland N.V. AMAS S.A. Andresens Bank A.S. Banca Commerciale Italiana Bank of Helsinki Bank Gutzwiller, Kurz, Bungener (Oversees) Benca Nazionale del Lavoro Banco di Roma The Bank of Tokyo (Holland) N.V. Bankers Trust International Benk Leu International Ltd. Banque Générale du Luxembourg S.A. Banque Continentale du Luxembourg S.A.: Banque Française du Commerce Extérieur Banque Internationale à Luxembourg S.A. Banque Louis-Dreylus

Banque Rothschild Banque Privée de Gestion Financière B.P.G.F. Banque de Neuflize, Schlumberger, Mallet Bayerische Hypotheken- und Wechsel- Bank Baring Brothers & Co., Banque de l'Union Européenne **BSI Underwriters** - Berliner Handels- und Frankfurter Bank Bayerische Landesbank Girozentrale Chemical Bank International Group Christiania Bank og Kreditkasse Caisse des Dépôts et Consignations Copenhagen Handelsbank Compagnie de Banque et d'Investissements (Underwriters) S.A. Compagnie Monégasque de Banque Crédit Industriel et Commercial Crédit Industriel d'Alsace et de Lorraine Crédit Commercial de France County Bank DG Bank International Richard Days & Co. Den norske Creditbank Crédit Lyonnais Creditanstalt-Bankverein

Dow Banking Corporation Effectenbank-Warburg Financial Management Services First Chicago Fuji International Finance IB3 International Girozeotrale und Bank der österreichischen Spurkassen Hessische Landesbank Antony Gibbs Holdings Ltd. Investitions- und Handels-Bank Lloyds Bank International Kleinwort, Benson Samuel Montagu & Co. London & Continental Bankers Manufacturers Hanover Mitsubishi Bank (Europe) S.A. Pierson, Heldring & Pierson N.V. Nippon European Bank S.A. Morgan Grenfell & Co.

Girozentrale Sanwa Bank (Underwriters) The Royal Bank of Scotland N. M. Rothschild & Sons Postipankki Privatbanken Skandinaviska Enskilda Banken J. Henry Schroder Wage & Co. Schröder, Münchmeyer, Hengst & Co. Société Bancaire Barclays (Suisse) S.A. Société Générale Société Générale Alsocienne de Banque N.V. Slavenburg's Bank Swiss Bank Corporation (Overseas) Sparekassen SDS Sumitomo Finance International Sparbankernas Bank Trade Development Bank Overseas Inc. Union Bank of Finland Ltd. Vereins- und Westbank United Overseas Bank

Williams, Glyn & Co. J. Voztobel & Co. S. G. Warburg & Co. Ltd.

to Y9,276bn (\$43bn). increase in income was mainly the result of a decline in net interest expense and in provisions for doubtful receivables. Like the other major trading ompanies, Mitsubishi has beei hit by a thinkage in export and import business. Imports were down 12.6 per cent and exports 7.7 per cent, while business outside Japan was off 4.9 per cent. Domestic sales increased

slightly in volume and relative mportance—up 0.8 per cent to 7.2 per cent of the total, from 14.5 per cent the previous year. Most major product categories showed declines, with machinery (18.1 per cent of the total) down 2.4 per cent, fuels down 15.1 per cent (for a 15.9 per cent share) and foods off 2.5 per cent

(14.8 per cent).

The drop in business arose principally from the falling value of the dollar against the yen over most of the fiscal year. Conversely, the subsequent decline in the value of the year since late 1978 cut the margin of the sales drop.

Sales this year will probably rise to about the Y10,000bn level as a result of the depreciation of the yen. Officials at the company, how

ever, are predicting cautiously that overall net income will remain at last year's level. On a non-consolidated basis, trading transactions declined 5.2 per cent to Y8.800bn—the

second annual decline in a row —while net profit was up only a fraction to Y16.1bn.

TOKYO — Japanėse banks

Of the total, City banks issued

April, 1979

Companies and Markets

Wall St. improves 4.5 in active early trade

INVESTMENT DOLLAR PREMIUM

\$2.60 to £1—24}% (231%) Effective \$2.2480—71% (91%) WITH BLUE CHIP and Glamour stocks extending the late rally which developed on Monday, the Wall Street stock market mainly improved in active early

dealings yesterday. The Dow Jones Industrial Average put on 4.52 to \$43.26 at i pm, while the NYSE All

Closing prices and market reports were not available for this edition.

Common Index gained 26 cents to \$59.05 and advances outnumbered declines by a nineto-four margin. Trading volume was up sharply to 24.25m shares at 1 pm.

Analysts said the market's share. improved tone reflected hopes that Federal Reserve chairman designate Paul A, Volcker will take a stronger stand against inflation. The dollar continued to firm as gold remained under

NEW YORK

Stock

Abbottz Lab. AM International Adobe Oil & Gas., Actna Life & Ga.,

Air Products. Alcan Aluminium

Alcas Aluminium 2314 83 Alcas 575 814 Alleg, Ludium 2134 205 Allegheny Power 1752 Allied Chemical 3455 3412 Allied Stores 2455 3412 Allie Chalmers 3713 3736 Allis Chalmers 3834 3815 Amerada Hess. 4115 4136

Asarco Oli 151s 153s 153s Asarco 205s Ashiand Oli 391s 393s At. Ritchfield 551s 551s 551s AvC 111s 115s AvC 151s 455s AvC 151s AvC 151s

\$261 on stating that second-quarter operating profit rose eight per cent Previously it had announced a decline in second-quarter net

Chrysler, however, slipped to 882. It reported a \$207m second-quarter loss and said red ink in the third quarter will be substantial, U.S. Steel announced improved second-quarter profits

but eased 1 to \$232.
Flintkote lost \$1 to \$471 after
Monday's rise of 47. The company said that it has agreed to

Investment S2 at \$281.

Stock

 Marsh MoLannin:
 611g
 611g
 611g
 611g

 May Dept. Stores:
 241g
 24
 24
 24
 24
 241g
 241g</td

Nat. Distillers... 23 ts : 35 ts Not. Service ind... 10 ts : 19 National Steel... 31 ts : 35 ts National Steel... 52 ts : 51 ts National ... 69 ts : 69 ts New England E... 22 ts : 32 ts New England Te.. 36 ts : 35 ts

Niagara Mohawk: 14%
Niagara Share... 11%
N. L. Industries... 25%
Norfolk & Wast'n: 27%
North Nat. Gas... 4718
Nithn. States Pwr 24%
Nithwest Airliner. 38%
Nithwest Bannorp. 27%
Norton Simon... 14%
Occident'i Patrol 24%
Ofice Edison... 15%
Ofin. 25%

Pdrkin Simer. 281
Pdrkin Simer. 281
Petroine. 481
Pizer. 301
Phelps Dodge 257
Philadelphia Ele. 161
Philips Petro'm. 393
Pilisbury. 393
Pilisbury. 361
Pitney Bowes. 251
Pitston. 221
Plessey Ltd ADR. 241

F.338 F.27.90 F.374.90 11.4 95% 47. 24), 52/2 27/3 15/8 24/4 16/2 22/2

291, 131, 301; 731; 373, 151; 24 27 25; 484,

20 July July 27

Stock

Control Data, 43 kg
Cooper, Indus. 583a
Corning Glass. 5754
CPC Intrnation I. 533a
Crane Co. 333a
Crocker Nati. 364
Crown Zeillerb 3
Cummins Engine 3234
Curtiss Wrigth. 1592

Uen, Foods . 31 is | 3

891q 20% 397g 487q 201g 19% 421p 15% 277g

Markets remained in easier at Y170 and Ishikawajima-mood yesterday morning in a fair Harima Y3 at Y135.

Cadillae Fairview, despite im- higher at Y546. proved results, slipped } to

in active dealings.
The Nikkei-Dow Jones Average

take a stronger stand against induced. The dollar continued to firm as gold remained under pressure, giving further support to the stock market.

The Commerce Department reported that the June index of leading economic indicators declined a modest 0.1 per cent after a revised 0.3 per cent rise in May. Analysts said the figures contained no surprises.

Investment S2 at \$281.

Brokers said Shipbuilding stock prices reacted sharply stocks have ben bought by major after the market's recent stocks have ben bought by major stocks have ben bou

| Southern Pacific | Solid | S

Tri-Gontinental... 17-4
Triton Gil & Gas... 75:
TRW ... 37:2
20th Gentury Fox 4154
Tyler ... 1454
U.A.L ... 25:4
UGI ... 25:4
UNC Resources ... 2354
Unilever NV ... 6458

Union Carbide... 40%
Union Carbide... 40%
Union Oil Cainff... 397
Union Pacle... 7278
Union Pacle... 7278
United Brands... 91
US Bancorp... 27%
US Stesl... 9599
US Stesl... 9599
US Stesl... 9599
US Stesl... 9599
UV Industries. 979
UV Industr

77:19 425:12 425:12 14:12 25:14 44:14 65

25/2 31/4 31/2 37 21/4 20/2 28/4 21/4 25/4

Among the most active issues.

American Telephone hardened to \$57\(\frac{1}{2}\) and IBM \(\frac{1}{2}\) to \$57\(\frac{1}{2}\) and IBM \(\frac{1}{2}\) to \$55\(\frac{1}{2}\) and Husky \(\frac{1}{2}\) to \$21\(\frac{1}{2}\) to \$21\(\frac{1}{2}\) and Husky \(\frac{1}\) to \$21\(\frac{1}{2}\) to \$21\(\frac{1}{2}\) and Husky \(\fra

business. The Toronto Composite Index relinquished 6.2 more to 1.561.9 at noon, while Golds fell 35.5 to 1,778.9 and Oils and Gas 31.4 to 2,716.1.

Cadillae Fairulew, despite imbas of the composite of the compo

Some stocks related to public dued for several reasons. Some works projects, such as Govo Construction, gained ground, but most Light Electricals and With Shipbuildings, Oils and Vehicles declined, Sony losing Trading Houses leading the way, the market mainly moved ahead Y5 to Y523.

a take-over by a newly-formed company at a price of \$52 a share.

The Nikkei-Dow Jones Average and the Tokyo SE index adapted to strengthen. Chemical New York added 2 at \$421 and MGIC Investment \$2 at \$222 and MGIC Investment \$2 at \$221 and MGIC Investment \$2 at \$222 at \$222 and MGIC Investment \$2 at \$222 and MGIC Investment \$2 at \$222 at \$ Fresh local profit-taking at the olume reached 450m shares the Government is considering tightening bank liquidity, and Brokers said Shipbuilding stock prices reacted sharply

I.A.C. 1773 Imasco:Com.Stk:: 5958 Imperial Cil. 3672 Inco 25

CANADA

Share prices railied from a

Brokers said trading was subobservers cited preliminary indications of a higher July inflation rate as measured by the consumer price index, while one broker said foreign investor activity had failen off compared to last week with the better tone for the dollar. A firmer U.S. currency could make the higher interest rates in the U.S. attractive again, he added. Vacations in many parts of Germany have also been cited as dampening activity on securities markets. Among Motors, Daimler gained DM 1.50 more, but BMW and Volkswagen shed DM 1.50 apiece. Machine Manufacturers mainly

showed little net change, but Babcock were down DM3.
In the Stores sector, Karstadt and Kaufhof ended unaltered, but Horten lost DM1.50 and Neckermann DM2.50. Some stock market investment letters have been warning against Stores because of a predicted fall in disposable income resulting from higher oil prices. At the same time, however, most German stores are presently holding their summer sales and positive results

could boost the shares.

Krupp, in Steels, advanced
DM4 and Varta, in Electricals. rose DM3.
Public Authority Bonds tended higher, recording fresh gains ranging to 20 piennigs. The Bundesbank sold a nominal DM21.4m more of paper (DM20.2m).

Paris

July 31

Fig. + or Div. Yid

COPENHAGEN &

Danske Bank, East Asiatic Co. Finansbanken

Finansbanken
Bryggerier
For Papir
Handelsbank
O Nthn N Kr900
Kord Kabel
Novolnd'stries B
Ollefabrik
Privatbank
Soph.Berensen
Superfos

YIENNA

Creditanstalt. ... Perimoser. Selecta.

Steel shares continued to improve but most other sectors declined in a very quiet business.

Operators said the decline reflected a thin market rather than any pressure to sell, although a

NOTES: Overseas prices shown below exclude \$ premium. Belgian dividends are after withholding tax.

• DM - 50 denom, unless otherwise stated, yields based on net dividends plus tex. • Pta 500 denom, unless otherwis ataled. & DKr 100 denom, unless otherwis stated.

6 SwFr 500 denom. and Searer share

c Centa. d Dividend siter panding rights and/or scrip issue. e Per, share. f Francs. g Gross div. % h Assumed dividend after strip and/or rights issue, k Alter local mass, m % tax francs. Including United div. 3 Nora.

ANIC.
Bastogi.
Flat.
Do, Priv.
Finsider
Italicementi.
Italisider.
Modiobenco.
Montedison.
Olivetti Priv.
Pirelli & Co.
Pirelli SpA.
Snia Viscosa.

Div. Yld

10 | 2.9 9. | 3.2 38 | 8.6

SWITZERLAND .

and Usinor. Other bright excep-tions were BCT, Gle-Fonderle, BHV, TRT, Lafarge, Tales, and

Comptoirs Modernes. Elf Aquitaine receded FFr 26 dealings. The Commerzbank to FFr 860 and Avious Blarces index was finally 1.0 up on the day at 753.1.

Australia

Lower London metal prices and a sharp reaction in the Gold price prompted profit-taking in the Minings sector, where a fair number of stocks lost ground.

However, an encouraging report from CRA on the valuation of diamonds collected from the Ashton venture bulk sample ing boosted some Diamond stocks near the close, although it came too late to really affect trading. CRA gained 6 cents to A\$3.38

and Ashton Mining 5 cents to AS1.15, but another partner in the venture, Northern Mining, closed 5 cents down at AS1.25. Among other Diamond Exploration issues, Carr Boyd put on 2 cents to 42 cents, but Hatena. were off 2 cents at 50 cents.
In the depressed Golds sector.
Central Norseman retreated
ASS 30 to ASS 1.50, GMK 8 cents to AS158, Peko-Wallsend also

8 cents to A\$5.40 and Poseidon
7 cents to 96 cents.
Coal Mining shares were
further unsettled by news of a
profits setback by Oakbridge, which receded 6 cents to A\$1.41. Oils perked up near the close on indications of liquid hydro-carbons in the Bruce Well of a

consortium of small companies led by Stirling Petroleum.
Industrials had a slack day
and finished on a mixed note.
Associated Pulp and Paper,
AS1.98, and CSR, AS3.52, provided bright spots with gains of 6 cents apiece. Retailers 6 cents apiece. Retailers Waltons, in contrast, declined cents to 68 cents now that the Melbourne group has finished its equity purchases and pulled out of the market.

NEW YORK-DOW JONES

	· ·		:	-	1:.		1.	79	Since Co	ममप्रशिर ह
	July. 30	July 27	July 26	برابيل 25 _	July 24	July 23	High-	Love	High	Line
						-				-
Industr'is	859.74	889.7E	883.76	889.51	829-78	235,51	878.72 (38:4)	207.95 (27:2)	1851,7 <u>0</u> (11/70):	43 <u>19</u>
i me Binds							85.97	82,92 (8,6)	- 7	-
ransport	, ;	1		259.73		247,52	(517) 25 2.0 9	205.78	278.88.	12.97
rilities				'		l i	(66817) '	(27)2) 58.51	(7/2/68) 165.32	
	1 1	(80.14	140.14				,,118.7)	(T5/6)	(28/4/83)	(28/4/(2)
rading Vol 000'st	28,680	27,800	52, 570	34,980	29,709	28,988	· –	. –	-	÷
	1								S 1	

♦ Day's high 842.49 low 853.45

Ind. div. yiald %

Lond Gev.

N.Y.S.E. AL

STANDARD	AND P	DORS			.:	÷	• • •	-		
	July	July'	July	July	July	July	197	9	SinceC'	mpli'ta
	30	27	.96	25	24	23	High	Low	- High	LOW
#Indust'ls	114.07	114.85	114.08	174.18	112.80	172.31	118,88	107,88 (27,12)		3,52 (39/5/32)
(Composite	!	195.10					104 47 8/2)	\$0,15	125.95 (11/1/75)	4.40
		-	July	25	July	15	July 1	1 Ye	ar ago (pprox)
ind. div. yiek	1%	· ,- ·	5.	34	5,3	3	5.21		4.0	. , -
		100		- 1	n bi	7	0.62		. o.di	· -

3.75

2 193-16 195. E	10, 103.10, 163.08	101.97: 701.	ES 104 47 S	9.16 125.95 4.49 27/2) (11/1/75) (1/6/82
	July 25		July 11	Year ago (approx)
id %	5,34	5,32	5.21	4.95
rtio	7.99	7.99 7.87 8.53		9.40
Bond Yield	5,91	8.93	8.86	8,66
LL COMMON		•		nd Falis 50 Liuly 37 July 21
	1979	Jaques TY	aded. 1.8	66. 1,851 1,844
July July 26 25	High Low	Fails		57 772 783 81 578 608

July 27 | July 20 : July 13 | Year ago (approx

5.83 6.78

industrial 284.58 285.06 284.16 280.81 273.18 (29.9) 218.18 (27.00 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.20 285.2	58.79 58.73 58.56 58.62	59.32. 53.8 (9/7) (27/8		hs	501 453 67 72
Combined 254.21 265.84 264.21 261.58 275.15 (29.6) 225.88 (2) TORONTO Composite 1568. 1 1578.0 1579.8 1858.8 1818.8 (29.6) 1518.8 (2) IOHANNESBURG: 238.8 287.1 237.8 267.8 268.4 (25.6) 228.4 4729	MONTREAL	July July 30 27	July July 26 26		79 Low
IOHANNESBURG: 298.0 287.1 297.5 267.2 208.4 (25.6) 228.4 (37.6)	industrial Combined	284.58 265.06 254.21 265.84	264.16 260,81 264.21 261,52	279.18 (22°8) 275.15 (29/8)	218.18 (2/h) 225,88 (2/h)
Gold 298.0 297.1 297.5 297.5 208.4 (25/6) 222.4 (17/4	TORONTO Composite	7568.1 T578.0	1570,6 .1558,8	1876.6 (28/8)	1616 B (2/1)
	Gold		997.3 967.5 512.4 817.9	508.4 (25/6) 558.11 (25/6)	928.4 -(17/4) 270.5 (2/1)

Gol	d ustrial		298.0 515.5	297.1 3 516.7 5	97.8 - 267.5 AUS-4 (25/6) 228.4 (17/4) 12.4 * 811.9 558.1 (25/6) 278.5 (2/1)
			1979 High		July Prev 1979 197 31 lous high Law
			597.68 (19/3)	: (2/1)	Spain (a) 94.87 to 111.96 91.50
m (8)	108.20	107:08	109.00	68.80	Sweden (d) 854.54 889.17 401.54 338.5
RPİK (**	16.01	56.43	97.48	-88.32	Switzerid(/) \$14.7 514.1 328.1 294.1 (2/5) (5/1)
			87.3	71.6	Dec. 1953. 65 Amaterdem Indicate
		766.1	1 (16/1)	719.4	1970. 11 Hang Seng Back 31/1/6
i		74.8	(24,11)	71.3	Tokyo New SE 4/1/88. 5 Strain Times 1966. c Closed. d-Madrid S
		:	1200	493.53 (2/1)	29/12/78, a Stockholm Industrial 17179 f Swise Bank Corporation, 'u Unsuel
(ii)	61.58	1 85.40	B5 43	. 65.0g	able.
(4)	448.01	445.05	462.91	435.13	MONDAY'S ACTIVE STOCKS

(2/1)	able.	Sec. of article	
435.13	MONDA	Y'S ACTIV	STOCKS
(13/7) 346.34			· · · Char
(23.)	- Jan 19	· · - Traded	Closing o
mor—	Pen-Am Altw Amer. Gent.		12
and	Merriott'	294,200	144
	Southern Krimen & B		737
ils. 40		254,300	20 +

				Land Contract	Barrier III	.,
(25.)		. 13	· arc	cka C	toetud '	,, क
	100		- 1	rgeg ·	DINCS '	- 04
9240	. Pen-Ar	n Altwr's	M 1:047	7.700		
-10	Amer.	fleat i	E61	600	9.41	78.5
						×
and	· Merrig	88	294	200	145	141
med	··· Southe	UTD . 13.7	782	500	13.	41
nds.	Marian.	. s. O.	222	100	0.5	3.5
	K ima	9, 94 - 510	40 444		87,	
. 40	Unitel		264	300	20%	4-1
oort.	Bally 1	Vifg	75.0	FOO.	425	\rightarrow
SE	Durity	all division	with gloon			$\langle \overline{\Psi} \rangle$
		an Man	112 Z46		7%	
/T3.	Holida	y inne	245	.008	195	:44
Mnk	· ITV			300		
-			- 430		10%	,+1
				-		
		100	1 21 4	7 7		

ia ia ia ia ia	plus tax. Pita 800 denom. unless otherwise stated. DKr 100 denom. unless otherwise stated. SwFr 500 denom. and Bearer shares unless otherwise stated. 5 Y50 denom. unless otherwise stated. 5 Frice at time of suspension. a Florins. b Schillings.	a Francs Including Unline div. 2 Nom., q Share spilt. a Div. and yield exclude special payment. I indicated div. u Unofficial trading. v Minority holders only y Merger pending. ** Asked. † Bid. § Trade. † Seller. z Aseumed. ** Ex rights. ** at Ex dividend. ** ap Ex crip issue. ** Ex di. A interim since increased.	values tub except NYSE All Common- 50: Standards and Poors—10: and Toronto 300—1,000; the fast named based on 1975). † Excluding bonds. ‡ 400 Industrials. § 400 Industrials. 40 Utilities, 40 Finance and 20 Transport. 1 Sydney All Ordinary. I Belgian SE 31/12/63. ** Copenhagen SE 1/1/73. 11 Paris Bourse 1961. ‡‡ Commerzbank	Amar. Gent. Ing. 561,500. 34- Memorit 292,200 14- 44- 50 southern 282,500 17 4- 50 southern 282,500 17 4- 56,300 20- +- 56,300 20- +- 56,300 20- +- 56,500 42 4- 56,500 42 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 18 4- 56,500 1
E 6	GERMANY +	токуо •	AUSTRALIA	STOCKHOLM
8	July 51 Price + or Div. Yid.	July 51 Yen - \$ \$	July 31 Aust. 3) —	July 51 - Kroner - Kr. 3
	AEG	Asshi Glass 347 +2 14 2.0 Cahon 529 +6 13 1.1 Casio 705 -5 25 1.7 Casio 705 -5 25 1.7 Casio 705 -6 25 1.7 Chingn 305 -7 20 8.3 Dai NippenPrint 536 -4 18 1.6 Full Photo 598 +5 1.2 Hitachi 240 +1 12 2.5 House Food 886 85 2.0 C. Noh 597 +17 12 1.5 House Food 1.250 -10 30 1.1 Jaces 280 41 15 1.5 J.A. 280 30 -10 30 1.1 Jaces 280 41 15 1.5 J.A. 280 30 -10 30 1.5 Kansai Elect Pw 902 10 0.5 Komatsu 527 4 18 2.7 Kyoto Ceramic 3,150 +10 86 0.5 Matsushita Ind, 540 +2 20 1.5 Mitsubishi Banic 540 10 1.4	ACMit. (25 cents) 10.67 Acrow Australia 11.00 AMATIL \$1 12.42 Ampol Expiration 13.56 Ampol Petroleum 10.69 Assoc, Minerals 11.95 Assoc, Pulp Paper \$ 12.96 Aust. Consolidated Inde, 12.84 Aust. Consolidated Inde, 11.86 Aust. National industries 11.78 Eumbor Creek Gold 11.08 Biue Metal Ind, 11.08 Borsi 11.08 Borsi 12.00 Brambies industries 12.00 Brambies industries 11.72 Broker, Hill Proprietary, 19.05	AGA AB Skn. 46f, 178 +5 8 3.6 Alfa Lavai(Kr. 56 1.30
	Harpener 149.5:-0.5 15.6 5.2 Hoechst	Mitaubishi Elec. 180 +1 12 3,3 Mitaubishi He'vy 170 +4 12 3,5 Mitsubishi Oorp 546 +21 15 1,1 Mitaul & Co 338 +8 14 2,1	BH South 11.75	Skand Easkilde 188 +5 9 7.2 Tandstik S(Kr50 70.5 1 8 7.1 Uddeholm 59 78.5 1.0 7 9.5
A .	Kali und Salz 135,5 0.5 16,65 5.8 Karstadt 249,5 23,44 6.2 Kaufhof 190 25 6.4 Klockner DM.109 71 -2	Mitsukoshi 446 20 2.2 Nippon Denso 1,280 —20 15 0,5 NipponShimpan, 586 +1 12 1,0	Cockburn Cement	OSLO
4	KHD 205,6+0.1 21.62 6.4 Krupp DM.100 85 -4	Nissan Motors 635 16 1.2 Ploneer 1,80080 48 1.3 Sanyo Elect 389 +4 12 1.7	Conzinc Retinto	July 31 Kroner — \$ \$
	Unde	Sekisui Prefab 670 +4 30 2.2 Shiseido 1.080 +10 20 0.9 Sony 1.870 -80 40 1.0 Taisho Marine 245 -8 11 2.2	Duniop Rubber (50 cent) 10.87 10.80 10.80 10.80 10.80 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87 10.87	Bergen Bank 102.50 6 5.9 Borregaard 74 12.0+0.25 11 8.6 Greditbank 117.0+0.25 11 8.6 Kosmos 570 +5 10 1.8
60	Mannesmann	Takeda Chem	Gan, Property Trust	Kreditkassen 116.5+0.85 11 94- Norsk HydroKr5 49: +1 12 2.0 Storebrand 110 +0.76 10 9.1
	RheiaWestElect, 184.2 — 0.5 : 25 6.5 Schering	Tokyo Sariyo 900 8 0.4 Tokyo Sariyo 495 +10 12 1.3 Toray 185 +4 10 3.2 Toshiba Corp 185 +4 10 3.3	Cl Australia	JOHANNESBURG
5	Thyssen A.G. 87.0 - 0.3 (12.5 7.1 Varia 185 + 3 15.16 4.6 VEBA 152 6.3 VEBA	Source Nikko Securities, Takyo	Jones (David)	July 31 Rand +or- Anglo American Con. 8.05
	Vereins&W'st&k 278 28,12 5.1 Volkswagen 206.5 —1.5 28.12 6.8	BRUSSELS/LUXEMBOURG	Metramar Minerals	Elsburg 13.90 -0.40 Elsburg 2.02 -0.03 Harmony 8.55
١	AMSTERDAM	July 31 Price + or Fra. Yld. Fra Net %	THE TAX AND THE PARTY OF THE PA	Kinross 5.80 - 0.65 Kloof - 14.40 - 0.60

, , , , , , , ,	L GOT HESSELL
3	Uddehol
149.86	Voive (X
[-4:36	
+0.01	
-0.15	OSLO
0.00	4354

OSLO		1.1	1965
July 81	Krone	+or	DV Vid
Bergen Bank Borregaard			6 5.9
Creditbank Kosmos	117.0 570	+0.25	10 1.5
Kreditkasson Norsk Hydrok	r6 491		
	-1-0-) - O. (O)	A Bra
JOHANNES	BURG		1

2			55		
	JO	HAN	INES	W	tG,
i	Jul	y 31	inesi Americ	A	AIN
	An	glo	Americ	an.	Co

	JOHANNESBURG	1
	Party Ma BAINES	\mathcal{N}_{Δ}
T.	July 31 Rend	- +at
.02	Angle American Con. Ans.	S 25
.01	Charter Consolidated 3 10	7.17
LOS.	Last Driefontein 13.90	÷₽.
1.00	Elsburg 2,02	b.
	The interior of the contract o	-0.
	Kinross 5.80	. 3
UBI	Klooi - 14.40	O.
90.	Rustenburg Platinum 2.56	+0.
	St. Helena 19,00	O.
.06	Southveel 13.60 Gold Fields SA 40.50	— о.
104-1	Gold Fields SA 40.50	-a.
	Union Corporation 8.05 De Beers Deferred 8.20	-0.0
	Blyvooruitzicht 6.80	–e.
	East Rand Pty +11.00	ö.
dian.	Free State Geduid 30.00	~0.
:01	President Brand 20.00	-0
	President Steyn	-0.
.01	Sullonteir 776	-0.
.86	West Oriefontein 157.25	0.1
.05 .07	West Oriefontein, 157.25	-0: -1:
- L	Western Holdings #39.00	-1.
1	Western Daup 18.00	-6.
_ !	INDUSTRIALS	4 6
i (AEC1 +4.50	+0.0
	Abercom 2.25	-0.0
1	Anglo-Amer, Industrial 15.00	

4	Sparges Exploration 10.55	Free State Geduid 30.00 -0.
7	Sparges Exploration	President Brand 20.00 -0.
0	Tooheys 11,55	President Steyn 20.00 -0.
8	Toothe (\$)	Sulfortein
3	Waltons	
9	Tooths (5)	West Oriefontein 157.25 -0.
ī	Woolworths +1.50	Western Holdings 139.00 -1
7		Wostern Deep 18.00 -0.
ā	PARIS	Wostern Deep 18.00 —c.
2		INDUSTRIALS
4	July 31 Frs Frs. %	1:AECI
i	July 51 Frs Frs. 1 %	. Abercom
3	[Anglo-Amer. Industrial 15.00
ā	Rente 44 1,200 -55 41g, 0.4	Abercom 2.25 -0. Anglo-Amer. Industrial 15.00 Berlow Rand 5.93 -0.
	Africana /Bear's 10 900 104 75; 0 5	UNA Investments 12.50
3	Air Liquide 478 16.5, 3.4	Currie Finance to.85
-	Air Liquide	De Beers Industrial 16 75
	Bouygnes 435 9 21 4.8 B.S.N. Gervais 540 6 40.5 6.3	Edgars Coned. Inv 13.30 +0 +0 Edgars Stores 140.00 +0.
	B.S.N. Gervais 640 -6 40.5 6.3	Edgara Stores 140.00 . +0.
	Carrefour 1,550 25 78 5.0 C.G.E 538 -1 31.5 9.3	FAG. Volksbeleggings 195
	C.G.E. 338 -1 315 93	Greatermana Stores 7 Ro 4 a i
4	CIT Market .1070 15 91 75	Hulette 3.65
1	Cia Passacira ' 000 111 1E 77	Huletts
-]	Club Mediter 389 : II 9 9.3	McCarthy Rodway 0.680.0
. :	[12] A P. C.	McCarthy Rodway 0.68 —0.1 NedBank 5,60
3	Creusot Loire 72 +2.1	OK Bazeers 18.40 +0.0
2		Denmine Million 6.55 -0.0
3	Elf-Aguitains 860 26 99 96 3 1	Pretoria Cement 4.80 +C.
l :	Fr. Petroles 191.1,-4.0 15 7.8	Protes Haldings 174
2	Gen. Occid nt'le 270 -1 12 4.4	Rand Mines Properties 2.85 -0.0
5		Pretoris Cement 4.80 + C. Protes Holdings 7.74 Rand Maes Properties 2.85 Reinbrand Group 4.00 Retae 0.43
•		Doing Day
5	acques, forei 107.8-0.2	Sege Heldings -1.63
5 1	Lafarge 252.3 +8.5 20:10 8.0	SAPPL 3.55
s I	LUTeal	C. G. Smith Sugar 8.65 SA Bosweries 7.51
6	Legrand 1,000 -25 36,75 2,4	C. S. Smith Sugar 0.00
: 1	Mais ne Proenix 551 -5 59,9 7.5	Tiger Date and N. Min. 111.25 +0.1
	Michelin "B" 900 -9 : 37,5 4,1.)	Tiger Oats and N. Mig. 111.25 +01 Uniset
. !	L'Oreai, a	PRISEE TANKE THE PRINCE TO SEE
: 1	Moulinex: 82.9-0.7 3 3.8	- Financial Rand U.S.\$0.861
	Paribas,	
: }	Paribas 216.5 0.5 10.15 4.7 Pechiney 90.9 1.2 7,5 8.2	(Discount of 273%)
?	Perned Ricard 249 -7 16.5 5.3 PeugeotCitroen 304.8	
: 1	Pelipeotritudes TOS S	
3	Pocinia sono	
7	Poclain. 207 50 8.8 Radiot Tchnique 341 50 8.8 Redouts 228 15 30 8.8 Rhone Poulenc 129.0-1.8 10.8 8.0 St. Gobain 116:2 0.6 14.5; 12.4 Sids Rossignol 1,340 15 39 2.7 Suez 660 5 38.75 4.7	SPAIN V
١,	Perrio (Chindrie - 941 90 8.8")	nation of a faithful of right factors in the
ij	Phone Gardens 199 0: 15 30 6.8	SPAIN V
3 }	St Colored 125.0-1.0 10.6 8:0	
IJ	200001 1102 -0.0 14.55 E.A	July 31 Fer cent
il	2016 HOSSIGUOI-1 1'240-12. 22 32.4	Asland 104 —
1	Suez 265 -1.5 27 10.2	Pages Billion 360
٠I	elemenanique 660 -5 : 38.75 4.7	Benco Bibso 260 Benco Cangel 281 Benco Exterior 264
-	ThomsonBrandt 190.1-0.9 164 8.5	Denco Central ZET
-	Thomson Brandt 190.1 - 0.9 16.2 8.5 Usiner 16.90 + 0.4	Banco Exterior 264
ı		8. Generals (1,000) 734 Banco, Happers 222 Baco, h. Cat. (1,000) 148 Banco Madrid 152
, I	BRAZIL	202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 - 202 -
ı	The same of the sa	8co. 7. Cst. (1,000) 148 -
ij	The state of the s	Banco Madrid

Sec	Mig. Til.	+0
Financial R		0.861
(Discoun		

•	Redic Tobales	207		19 19 19 19 19 19 19 19 19 19 19 19 19 1
ŀ	Radio T'chnique	492 -	DU 6.0.	
ľ	(Khone Poulenc.	! 129.0· — 1.6∙	108 801	SPAIN V
•	St. Gobain	J 116:2:a.a	1115E 19 4 !	July 31 Fer cent
	SKIS Rossianol	1.340175	39 1 9 7	, _ , 3 ~ , unit
	Suez	J 265 i1.F	127 (10 6)	Asiend 104 —
	i 9i emacamique	660. I⊸5	30.75 4.7	Banco Bilbao
	I I Martin Program Martin Principles	ימית - ודי חבור א	1454 oz	Banco Experior 281
	Using	16.90 + 0.4	!! !	Banco Exterior 264 B. Granada (1,000) . 734
1	•			Banco Hisparo 202
١	BRAZIL			8co. h Cat. (1,000) 148
i				Banco Madrid 192 -
	1.4.94	Price. + or	Oruzi Yid	8: Sontander (250) 272. 4 4
	ania 21	Cruz	Div. X	Bco. Urgulio (1,000) 223
	Acesita	0.88 7,202	A-5417E-61	Banco Vizcaya 262
	Bancodo Brazil.	1.64 +0.62	0.17 5.71	Banco Zaragozano 212 + 2
	Banco Itau PM	1.31	0.08 5.11	.Dragados 125 + 5
1	Belgo Mileira OP	1.70	0.08 4.71.	Espanola Zinc 74 - 2
1	Lojas Amer O.P.	; \$.16 ±0.00	0:20:9.26	Faces (1,000) 55.25 土 1.2
١	Patrobras PP	1.37 -0.65	0.139.49	Gal. Preciados 55 + 2.9
1	Piralii OP	1.10	0.08 7.27	Hidrola 54 + 2
1	Souza Cruz OP.	2.25 -0.07	0,08 3.55	Iberduero 58 4 1
!	Souza Cruz OP, Unip PE ValeRioDoce PP	3.85	0,32,8.31	Patrolana132 +.3
;	A minimum DOG P.P.	1.07 +0.00	0.194.99	Sopeties
•	furnaver: Cr.10	1.7m. Volumi	: 70.6 ₀₁ (Telefonice 70 - 70 - Union Elec 82 + 1.2
ļ	Squice; 7	orishet eb oi	SE	Union Elec. 51.25 + 1.2
			* .	

ABN C AKZ C GSF C CSF C CSF C FNC C HO G HO C IBM C F.350; F.360; F.400; \$20; F.32,50; F.37,50; \$70; \$75 172 | 9.70 69 | 3.60 29 | 1.80 1 | 0.30 260 | 1.90 10 | 6.70 6 | 400 20 | 230 50 | 2.60 23 | 0.90 - .F.109.80 - " - Fr.5000 Fr.5000 F.304.80 F.130 F.140 F.148 F.150 F.150 F.135 F.140 F.145 F.130 F.135 .F.144.80 F.129.60 - \$631₂ Feb. 542; 578"

TOTAL VOLUME IN CONTRACTS

41,

P=Put

EUROPEAN OPTIONS EXCHANGE

	DUAL TELIDING KWIES	1
	A.B.N. Bank	
-	Antony Gibbs	U

BASE LENDING RATES

المكالانماناده

Wool price peak in Australia

ational Council of Wool Sellig Agents of Australia show that average auction prices there in the second half of the 1978-79 season were the highest since the 1950-51 wool boom, reports AP-Dow Jones.

On average, auction prices exceeded 200 cents per kilo, forgreasy wool, for the first time, since the Korean war.

Total receipts were also Total receipts were 1150 September denvery conce, highest since 1850.51 at more having fallen £240.2 tonne since than \$A.0540n for the full the beginning of last week, shot season. The total value of the tip to £1,725 a tonne at one stage \$3.25m bales aricioned was up before ending the day 73 higher by 11.5 per cent from 1977.78. at £1,704 a tonne, but the bales total was the But this rise was not entirely. lowest in 10 years due to a decline in sleep numbers. The Australian Wool Corporation has forecast that total Australian wool exports, of which auctioned supplies are only a part, should be nearly \$A1 6bu for the season ended June 28.

In Sydney wool trade sources told Renter they expected firm to dearer wool prices in the early part of the 1979-80 selling season, which begins with one-day auctions in Sydney and Fremantle today.

-But the longer-term outlook is clouded by forecasts of a down-turn in world economic growth they warned:

Rubber demand rise forecast

By Our Commodities Staff CONSUMPTION OF rubber, natural and synthetic is expected to rise by 57 per cent during the next 10 years, according to the International Institute of Synthetic Rubber Producers.

samption is likely to register a period. U.S. Agriculture modest increase in the period period to share of world usage is while that the main details of expected to drop 5 per cent to the 1980, and should be amounted today. He curope's share may drop from 20 siso hoped a statement would be per cent to 17 per cent over the possible on the department's same period.

Coffee and cocoa surge higher as pound weakens

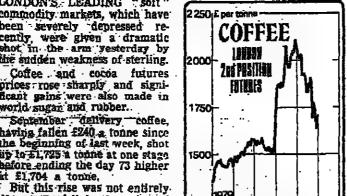
LONDON'S LEADING "soft" commodity markets, which have been severely depressed re-cently were given a dramatic shot in the arm yesterday by the sudden weakness of sterling. Coffee and cocoa futures prices rose sharply and signi-

world sugar and rubber. September delivery coffee,

due to the fall in the value of the pound: Reports that a ship was block-

ing the Panama Canal—the main trade route for coffee from Pacific coast producers such as Colombia, Peru, Ecuador and El Salvador-heightened market nervousness, dealers said.

ing had been set back by the recent cold weather, may also have encouraged the rise, though some dealers said this



Another possible influence suggested by some traders was support buying by the Bogota Group of Latin American coffee

The rise in cocoa prices also Meanwhile, trade reports west beyond the direct effects from Rio de Janeiro, that of the weaker pound though no Brazil's September coffee flower significant extra factors were apparent. Dealers said the early rise, reflecting sterling's fall, had sparked off the long awaited technical recovery following re-

The September position on the London futures market had risen the £40 permissible daily limit by mid-afternoon and closed £73 up on the day at £1,403 a tonne.

On the raw sugar market, the October position ended the day £1.40 higher at £102.575 a tonne. This rise was encouraged, trad-ers sald, by news from New York that the U.S. House of Representatives Rules Committee was considering clearing the way for action on pending sugar legislation. Protracted delays to the pass-

ing of the Sugar Bill have pre-vented U.S. ratification of the International Sugar Agreement. Dealers said sugar prices were given an added lift by news that Venezuela withheld a buying tender today for up to 100,000 tonnes of white sugar for August-December shipment. Natural rubber dealers said higher prices yesterday were

directly due to currency factors. On the physical market, the RSS No. I spot quotation gained 1.25p to 58.25p a kilo and the October futures position rose 1.025p to 60.7p a kilo.

U.S. wheat export curbs opposed

Foley, chairman of the U.S. House of Representatives agreement, agriculture committee, has "I would asked members to join him in meet the opposing amendments aimed at curbing wheat and hide exports which are expected to be brought up later this week

Mr. Foley, a Washington State Democrat, said in a letter in his collesgues: "I will

of Synthetic Rubber Producers.
This would raise consumption to its colleagues. It will actively oppose the amendments and urge all members of the controls year to 72 per cent in 1989. The share taken by synthetic rubber in centrally planned economies is forecast at 1989 compared with 77 per cent in 1978.

The biggest consumption increase is gapected in Latin America which is likely to take 8 per cent of the world total in actively oppose the amendments and urge all members of the committee to participate in the debate.

One of the amendments, proposed by New York Democrat, Mr. Lester Wolf, would effectively curb U.S. wheat sales to OPEC nations. It calls for expert controls on all sales of wheat and wheat flour.

America which is likely to take 8 per cent of the world total in expert totaled by Mr. James Shandon, would reduce hides experts by at least 15 per cent at present. North American consumption is likely to register a modest increase in the debate.

Mr. Lester Wolf, would effectively curb U.S. wheat sales to OPEC nations. It calls for expert and wheat flour.

America which is likely to take 8 per cent of the world total in expert totaled by Mr. James Shandon, would reduce hides experts by at least 15 per cent at present. North American consumption is likely to register a modest increase in the debate.

fourth year of the grain supply crop wheat.

would hope that we could resolve some of the speculation on the Soviet grain purchases." In the fourth year of the pact.

starting October 1, the USSR can buy up to 8m tonnes of U.S. grain. Purchases above that level would require talks between the two nations. We could not make a uni-

lateral decision (on raising the limit). A It would have to be mutually agreeable," the official A decision had not been made

on the 1980 wheat programme and on increasing the limits for Soviet grain purchases. And he declined to discuss the lead-chase price, but informed ing proposals under considera-sources said Indonesia would

cell for no set-aside. -More analysis would be No d needed before any decisions shipmer can be made on creating a new Reuter

Maming: Three months £300, 799, 300, Afternoon: Three months £301. 300,5. Kerb: Three months £300.

ALUMINIUM Gained ground on cur-

rancy considerations with forward metal riging from £851 on the early pre-merkez to close the late Kerb at £854. Turn-

Morning: Three months £656, 55, 54, 53.5. Kerb: Three months £655. After-month £652, 51, 60, 62, 51.5, 62. Kerb: Three months £652, 64,

NICKEL—Firmer mainly owing to the weekness of sterling. Forward metal treded around \$2.590 on the early pramarket but subsequently moved sheed to close the late Kerb at \$2,680. Turnover: 348 tonnes.

Morning: Three months £2,620 Kerb; Three months £2,570. Afternoon; Three months £2,650, 30, 260, 20, 40, Kerb: Three months £2,650, 80.

(in order buyer, seller only): July expired; Oct. 180.0, 83.0; Dec. 181.0, 83.0; March 180.0, 89.0; May/July/Oct. and Dec. 180.0 of the control of the contr

Official

The officials declined

"I would hope that we would ment on rumours that the meet the August 1 target for USSR would be allowed to buy the 1880 wheat programme," he up to 8m tonnes of wheat in "At the same time, I the fourth year of the pact, and that a decision would be made on raising the limit for maize

Indonesia to buy rice from **Philippines**

JAKARTA - Indonesia has signed a contract to purchase 100.000 tonnes of rice from the Philippines, a spokesman for the Logistics Board said here yesterday.

He did not disclose the puron. pay \$295 a tonne for the ship-But other USDA officials said ment, well below the \$400 the the 1980 wheat programme will Government pays for rice on No date has been set for the shipments.

UK zinc producer cuts price

By John Edwards, Commodities Editor

BRITISH ZINC producer, AM and S Europe, yesterday confirmed a cut in its official producer price, from \$845 to \$780 a tonne, in line with reductions already announced by several European smelters. This means the new monthly sterling price, effective from today, will probably be around £340 a tonne.

This compares with the July price of £295, which would have been sharply cut in any event for August by the rise in the value of sterling during the past month.

wholly-owned subsidiary of Australian Mining and Smelting, part of the Rio Tinto Zine group, is the first integrated zine producer to cut its price to \$780.

So far, the cut to \$780 has been made by smelters anxious to reduce the cost of their concentrates in view of the depressed price being received for zine metal because of poor demand,

AM and S evidently consider it inevitable that all zine producers will be forced to lower their prices although

to lower their prices, although Outukumpu of Finland yes-terday told Reuter it was still watching the struction.

Zinc prices on the London
Metal Exchange yesterday
were marginally higher, reflecting the sudden fall in
sterling but the decline had sterling, but the decline had a far greater impact in other jumped by £310 to £6,635 a tonne, with the upward trend being encouraged by further U.S. buying interest.

U.S. silver purchase plan rejected

WASHINGTON-A House Appropriations subcommittee voted unanimously to recommend that the full committee reject a bill calling for acquisition of \$513m worth of silver.

The General Services Admin-Istration claimed the measure was inconsistent with stockpile Another House Panel. the

Armed Services Committee's Stockpiles Subcommittee, has already approved a bill which authorises the sale of 15m ounces of stockpiled silver.

MALAYSIA

Conflicts of interests in palm oil industry

THE COLLAPSE of the market- collapsed in recent weeks and while crude oil is given easy ing pact between Malaysia's their members have had to pay access. palm oil growers and refiners, the full Rotterdam price (plus in the face of tight supply, has the elements of freight and highlighted the need for a insurance) for their purchases. national strategy on the marketmodity.

Malaysian refiners are unhappy because they are not able to get enough crude palm oil, and accuse growers of exploiting the tight supply situation high prices.

The palm oil industry has grown so fast that the tive organisations and who are authorities have had little time free to sell and buy at prices to map out their production and marketing strategies.

From almost nil production in 1960, Malaysia has rapidly dilemma, as the Government overtaken Nigeria as the cannot enforce the parties to world's higgest producer, and now produces 1.8m tonnes, 45 per cent of world's output.

The conflict of interest between the growers and local ing that too m refiners could be traced back to had been given. ive years ago when numerous refineries were established all altuation could worsen when over Peninsula Malaysia

Unlike the rubber factories. which were set up mainly by he plantations themselves, and therefore were assured of supply, the palm oil refiners ment in assessing how far local operators, who built their plants to take advantage of the Government's export duty on crude palm oil and the plentiful supply of crude at that time. As more refineries were built.

competition for crude oil became intense. So much so that in times of production high tariffs on refined palm oil, this was later lifted. shortfalls (during the periodic droughts, for example), there is a scramble for supplies. During such times refiners

accuse growers of exploitation. Last October, the Ministry of Primary Industries brought the Malaysian Oil Palm Growers Council (MOPGC) and the Palm Oil Refiners Association (PORAM) together and hammered out an agreement based on the CIF countback formula. Under the pact, growers agreed to sell, and refiners to

buy, crude oil at the prevailing Rotterdam price, minus the freight and insurance charges, because the oil is not delivered But PORAM says the pact has

This can add up to as much ing of the country's second most as 200 ringgits (£40) premium important agricultural com- per tonne, and local refiners say this puts them in a disadvantaged position in relation to

their overseas competitors. The MOPGC denies its members are squeezing the refiners. It says the high price is the result of a shortfall in output, and adds that there are growers and refiners who are not members of their respec-

to sell and buy at prices dictated by the market. There appears to be no immediate solution to the refiners'

adhere to the CIF formula. Recently, the Government froze all applicatiotions for new palm oil refineries, after realising that too many approvals

PORAM fears the supply new plants (many of which are to be built by the planta-

tions themselves) come into operation. Th problem facing the Governmainly independent refining caracity can expand

before it jeopardises existing markets for Malaysian crude paim oil overseas. Some Government planners are worried that if Malaysia it might have problems finding

Malaysia makes its crude palm oil freely available to its tradiconsumers overseas, these clients will switch to other edible oils.

4 per cent for crude.

Malaysia needs these traditional buyers as its production is growing rapidly and is expected to exceed 4m tonnes by

Refined Malaysian palm oil

attracts a 14 per cent import

duty in the EEC compared with

There are fears that unless

The Government is directly interested in ensuring markets because of the large volume of schemes. The biggest of its land agencies. FELDA, has more than 00.000 acres under palm oil half of which has yet to reach

maturity. The dramatic switch of overseas markets is also causing some unensiness for the planners. Until recently, the U.S. was the bicgest market for Malaysian palm oil, but within a year, India, from virtually nowhere,

has shot up to occupy first place. Palm oil commands a premium over soyabean oil, and U.S. buyers have switched to the latter. Malaysian palm exports to the U.S. are now a quarter of

what they used to be. India, flushed with remittances from citizens in the Middle Bast. 's a heavy but unpredictable market. Last year, the Indian puthors

on edible oil imports to encourare local production, although

Cheap hake imports banned

markets. Many countries put

BRUSSELS - The EEC Commission has banned imports of frozen hake.

at less than Community prices and informed sources said the cheap imports were from Argentina.

sion to protect Community fishermen by banning imports if prices fall below a reference price related to prices within the Common Market.

Dutch sow

It said the fish was coming in EEC rules allow the Commis-

more wheat THE HAGUE - The area

sown to winter wheat in the Netherlands rose to 125,000 hectares this year from 102,000 last year.

According to provisional survey results released by the Economics Ministry the area sown to summer harley tell 7.800 bectures to 51,700 hectares while the maize area rose by 8.000 bectares to 128,000

BRITISH COMMODITY MARKETS BASE METALS Torontal standard metal consent at 489, 89.5, 501, 500.5, 501, Kerb: Three 25,450 and affect enging to 55,450 on months (500, 1, 498, 97.

COPPEN Higher on balance on the moved entire and state buil lightification.

London Mestel Exchange following the moved enterd strongly to close the interest of the doy's highest light of the doy's highest ligh ### Section of Section

Morning: Stendard, cash E5 420, 10, 05; these months £5,410, 30, 20, 20, 40, 56; 30, 35. Karb: Standard, cash E5,420, three menths £5,40, 50, 60, Afterpoor; Standard, cash £5,520, three months £5,550, 5,500, 10, 30, 20, 10, 30, 40, 46; 30, 20, Karb: Standard, Shree mouths £5,520, 10, 5,600, 5,550, 35;

Index Limited 01-351 3466. Decemb Laimout Road, London 8W10 0HS. 1. Tax-free trading on commodity futures. 2. The commodity futures market for the small investor.

INSURANCE BASE RATES

Vanbrugh Guaranteed 121%
Property Growth 111% t Address skown under Insurance and Property Bond Table

CORAL INDEX: Close 452 457

Your opportunity to sell in Korea

Industrial and Trade Fairs International Limited, the world's leading independent exhibition organisers, will be organising a series of major exhibitions in Koex, the new EXHIBITION CENTRE IN SEOUL, KOREA in

The industries to be covered will include shipbuilding, packaging, chemicals, textile machinery and fishing For full details please write to:

Korean Exhibitions industrial and Trade Fairs International Ltd.,
Radcliffe House, Blenheim Court;
SOLIHULL, West Midlands, 891 28G
Tel. 021-705 6707 Teles: 337073



Locon lutures were very steedy due to week starling which attracted prolonged short-covering throughout the day for prices to close with gains of £60-£75, reported Gill and Dullus. Yesterdy's + or Business
COCOA | Close | - Done

						_
		-	٠	1	322	
rt	1	402-14	HO4 +	78.O I	404-1	340
	1	461-14	164 +	1 0.88	469-1	407
rch .	1	507-1	:08 +	§1.0 I	515.1	454
y	1	652-16	538 +	0 1.5 1	541.1	482
,	1	560-19	570 +	62.O 1	567-1	415
	1	589-16	+ 000	68.6	_	
-186	: 4.34	2 (2,7	· (o.			

international Cocoe Organisation (U.S. cents per pound): Daily price July 30: 140.03 (140.67). Indicator prices for July 31: 15-day average 145.58 (146.08); 22-day average 148.36 (149.28).

Robusts opened en a steadler nete which stemmed from the early weakness. of Sterling reported Drexhet Burnham Lambert. In the afternoon a steady New York opening coupled with a continuous decline in currency influenced, further buying as the merket generally mentatined a steady tene in between bouts of profit taking and a slight retracement of 220 values settled £72 to £80 higher on the day.

	'Yesterdays
ig: Three months £656, 55, 54,	COFFEE Close + or Business
rb: Three menths £655. After-	- Done
hras months £652, 61, 60, 62,	2 per tonne
Kerb: Three menths £662, 64,	
	July 1874-1834
	September 1708-1706 +72.5 1755-1982
	November, 1720-1722: +72.5 1735-1682
	January: 1725-1728 +74.5 1735-1885
and authorized when we are a few all	
the late Kerb at 12,630. Turn-	March: 1689-1690 . +76.5 1700-1651
	May 1875-1688 +86.0 -
	July 1860-1670 +84.5 -
10 to	
l.a.m. Herl: p.m. Hor i	Sales: 5,916 (6,157).
Official - (Unofficial -	ICS indicator prices for July 30 (U.S.
	cents per pound): Other Mild Ambicas
d 1.61 ()	COLICE POL POSTICI). OTGOT MIND WISDICES,

Three months £2,650, 30, 2,600, 20, 4).

Kerb: Three months £2,650, 80.

SILVER

Silver was fixed 4.45p an ounce lower for spot delivery in the London bullion market yesterday at 397,950. U.S. cent equivalents of the fixing lavels were:

Spot 508,3c, down 24.5c; firse-month 92,6c, down 24.5c; firse-month 92,6c, down 24.5c; firse-month 975,8c, down 27.0c; and 12-month 975,8c, down 28.0c. The metal opened at 394,385p -(901,804c) and closed at 394,385p -(901,804c) and closed at 394,385p -(912,914,2c).

Silver Buillen + or LM.E. + or per fixing close 1 close 1 close 1 close 2 close 1 close 1 close 3 clo

10.5, 10.5, Atamoon: Three months
416.5, 15.2, 15.2, 15, 14.9, 15, 14.8, 14.7,
14.6, 14.5. Kerbs: Three months 414.5,
4.3, 4, 3.7, 3, 3.5, 4.2.

WOOL FUTURES

SYDNEY GREASY—Close (in order buyer, seller, business, sales): Micron contract: Oct. 496.0, 405.0, 405.5-403.0,
31: Dec. 412.5, 413.0, 414.5-410.0, 29; March 419.2, 420.5, 420.5-417.0, 42; March 420.5, 420.5-417.0, 42; March 419.2, 420.5, 420.5-417.0, 42; Mar

		<u>-</u>			
	' <u>-</u>	i	1	322	
	1402-1	404 +	75.0 1	404-13	
	1461-1				
n	1507-1	508 +	81.U I	541 14	29
	1560-1	570 +	62.D I	567.14	15
	1589-1	600 +	68.6	_	
ee: 2	902 /2	7481			

Ajumn'm 2.m. + or p.m. | + or Official - Unofficial - Uno

COFFEE	Yesterdays Gloss	+0	Business Done
July	2 per tonne	+72.5	1874-1684 1785-1882
January	1720-1722 1725-1728 1689-1690 1675-1680	+74.5 +76.5	1735-1885
July	1880-1670	+84.5	

Sales: 5,918 (8,157).
ICS indicator prices for July 30 (U.S. tents per pound): Other Mild Arabicas. 187.83 (195.0); Robustas ICA 1978 (177.50 (180.0); ICA 1988 177.75 (180.25); Colombian Mild Arabicas 201.0 (205.0); Unweshed Arabicas 190.0 (199.0). Comp. daily ICA 1968 187.39 (183.25).

unchanged, and steadled on weaker atarling, closing quietly ateady. Lowis and Pest reported a Malaysian gottown price of 284 (same) cents a kilo (buyer, September).

RUBBER

No. 1 Yesterd'ys Previous Business R.S.S. | Close | Close | Done Bept...... 59.90.90.06.58.70.55.89.80.80
Oct....... 50.41.51.00.59.59.59.89.80.80
Oct. Bec. 51.55.81.55.92.50.59.50.51.73.90.50
Jan-Mar. 54.45.46.50.53.46.56.50.69.50.51.73.90.50
Jan-Mar. 58.70.88.758.65.55.70.59.80.86.89
Jly.Sept 59.00.62.05.67.80.40.00.58.25.73.50.68.89
Oct. Dec 71.56.71.55.70.29.70.52.71.56.71,06
Jan-Mar. 73.65.75.70.72.50.72.70.52.71.56.71,06
Apr-Jne 78.06.78.10,76.90.78.00.76.10.78.00

Spies: 515 (325) at 15 tonnes, 1 (17) at 5 tonnes.
Physical closing prices (buver) were:
Spot 58,25p (57,0p); Sept. 53,25p
(62,25p); Oct. 63,25p (62,50p).

SOYABEAN MEAL

	Yest rd'y Close	+or	Business Bons
Andries	Pertonne 107.00-05.5	+1.85	
December	114.60-14.8 117.80-17.8 114 en 90 K	+4.45	117 90-13.50
April	121.00-22.0 121.00-26.0	+2.0	_ =
anine of fi	on mark	move	ened with
strong en reported I. encouraged	G. Roddie short-cov	k, Fu ering	rther gains and light

SUGAR

steady at day's highs.

LONDON DAILY PRICE (raw supar); 193.0 (same) a tonne oil for July-Sept. shipments. White sugar delly price was £100.0 (£97.0).

The market was quietly steady during the morning. Later, prices moved shead in response to the sherp appreciation of the doller against sterling, reported C. Czamikow. Sugar Prof. Yester- Previous Business Comm, day's Close Done

Aug. 102.50-02.65 101.16-01.20 102.75-10.50Oec. ... 107.60-07.18 106.05-08.15 107.75-65.00
March. 116.25-15.60 116.25-15.50 116.50-12.00
May 118.80-19.00 116.50-16.35 118.00-16.00
Aug. ... 123.25-25.50 120.76-21.25,125.25
Oet. 127.36-27.76-124.75-24.8c, 127.25-26.86 Tate and Lyle ex-refinery price for

ranulated basis white sugar was £279.55 (same) a tonna for home trade and £161.50 (same) for export. International Sugar Agreement (U.S. cants per pound fob and stowed Caribbean port). Prices for July 30: Daily price 8.34 (8.19); 15-day average \$37 (8.54). Daily price 8.34 (8.19); 15-day average 8.52 (8.54).
WHITE SUGAR—Close (in order buyer, setter, buyeress, sales). Sept. 100.00, 101.00, 100.50, 39; Nov. 102.75, 104.00, 103.00, 20; Feb. 112.50, 113.00, 113.50-113.25, 10; April 116.50, 117.00, nil, nil; July 121.00, 122.00, nil, nil; Sept. 124.00, 127.50, nil, nil; Nov. 127.00, 132.50, nil, nil. Sales 69.

COTTON

LIVERPOOL — Spet and shipment sales amounted to 31 tonnes, bringing the total for the week so far to 201 tonnes. Minor replenishment dealings were reported, with only a modest off-take in African and Latin American qualities. Purchases, in Middle East growths, were on a limited scale.

GRIMSBY FISH—Supply: good, Demand good. Prices at ship's side (unprocessed) per stone: Shelf cod (4.00-64.50; codlings (2.50-63.60; medium haddock £4.00-£4.80, small £2.00-£2.40; large pleics £4.50-£5.00, medium £4.50-£5.00, best small £4.00-£4.60; shinned dogfish (large) £7.50, (medium) £3.50; lamon soles (large) £7.00, medium £8.00; rockrish £2.50-£2.80; seithe £2.40-£2.80. HIDES—Birmingham: Unchanged to alightly weaker. Ox 31-35.5 kiles. 92.0p a kile (92.p withdrawn); 26-30.5 kiles. 97.0p (99.0p); 22-25.5 kiles. 97.0p (99.0p) withdrawn. Cows 101.0p (102.0p) withdrawn.

PRICE CHANGES

	11000 00-4			Copper declined fraction
	July 51 1979	+_or	Month ago	overwhelming bearish precious metels. Coo both reacted on the up hiss recovery in a de
Metals Aluminium	2701:50		£710/50	Soya and maize prices limited commercial buy pains, while prices w presours because of im-
Free MKt 195)	P 1490/16 LD	-au	שמיטניב,ו פּ:	results. The livestock mixed as a result of he
S nith p	£826.75	+ 15	£821.5	and trade interest. Co well with minor gain:
Copper Cash w'bar S nith Cash Cathode S nith Gold troy oz	2792 2812.5	+ 16 + 18.73	£780.5 £803.5	was unchanged to frai
Gold troy oz	\$ 298.875	-9.25	£608.0	Heineld reported.
3 moh	'ccea.5	19.75	£575.5	Coffee—Sept. 198,07 199 70 (183,70), March
Nickel Freemkt(cif(lb)	£3225.4 5286/276c	;······	£6,225,4 250/750	183.90, July 183.00, Sej 180.00, Copper—Aug. 80.70
Platin'm tr'y oz	£155.5		£165	81.30 (81.70), Dec. 81 Merch 82.50, May 82 Sept. 83.30, Dec. 83 (
Free mkt Quicksliver	£170.40 \$285,305	± 10	£985:300	Merch 82.50, May 82 Sept. 83.30, Dec. 83.6
Silver troy oz 3 months	597.95p	-4.45	397 20p	*Gold—Aug. 286.90
Tin cash	P6.685		27.470 26.995	788.70 (258.70), Oct. 297.30, Feb. 302.80, An
Tungsten	£145.12		8141.61	313 40, Aug. 318.60, Oc 328.60, Feb. 333.50, Ar
Wolfrm 22.84 clf Zinc cash 3 months	£290	+1	£552.0	*Platinum—Aug. 37/ Sent. ni* (nil), Oct. 78/ April 3*8.80, July 394,0
Producers	≽845	, T .	\$845	Jan. 44400.
O(is Coconut (Phil). Groundon	61.0704	_20 i	81.150	Potatoes (round whi (64.0), March 86.3 (8
Groundnut	10-05	 	2202	May all. Silver—Aug. 837.0
Groundaut Linseed Crude. Palm Malayan.	£598 \$664-60		£408 \$672.0⊯	BOY 8 1078 EV Cot 91/
Seeds '		f i	l	Jan. 935.8, March 149 July 975.7, Sant 890.1 Jan. 1014.8, March 1025
Copra Philip Soyabean (U.S.)	\$720g \$519.0t	-5 -5.76	\$725 \$318	Jan. 1014 R. Merch 1029 Hende and Harman but (947 30).
Grains Barley Futures	£91.60	-0.06	£91.8	Я 78), Jan. 9 54, Маг
Mayze French No 3 Am	£107.5;		£109.5	10 34, July 10 59, 5a
Wheat		1 C 25	£97.50	11 16. Tin683,00-585.00 a
No2HardWint	£96.75p	+ 0.26	298.60	608,00).
Eng. Milling t		ļ	•	Lard-Chicana Inne
commodities	01 409		07 608	[No Cattle—And For 57 45.59.24
Future Sept.	£1.498	+75.0.	£1.698 £1.566	60 45), Oct. 55 45-59,25 Dec. 61,40-61,20 Jan. 6
commodities Good ship't Future Sept. Goffee Fit Sep Cotton Aindex	£1.784	4 7E O	PP 090.	
Rubber kilo ! Sugar (Raw,	58.25p	+ 1.25	75.35c 60.75g £161.0	EUROPEA
Wooltp's 6-3 kl	262p		271p	EURUTCA
-				

MEAT/VEGETABLES SMITHFIELD—Pence per pound. Beef: Scottish killed sides \$2.0 to \$7.0: Eite hindquarters 70.0 to 78.0, forequarters 27.5 to 42.0 Lamb: English small 58.0 to 62.0, medium 56.0 to 60.0, heavy 52.0 to 58.0; Scottish medium 50.0 to 60.0, heavy 50.0 to 58.0. Imported frozen: NZ PL 49.0 to 50.0, PM 48.0 to 49.0. Pork: English, under 100 to 35.0 to 44.0. 100-130 to 34.0 to 45.0, 120-160 to 34.0 to 43.0.

Nominal, † New crop. † Unquated, in touries, unless otherwise stated, a August, £ Aug., Sopt. r Sept. w Sept. oct. x Oct. y Oct. Nov. z Indicater

120-160 lb 34-0 to 42-0.

MEAT COMMISSION—Average fatstock prices at representative murkets
on July 31. GB cattle 79-83p per kg.
l.w. (-1.56); UK sheep 144-7p per
kg. est.d.c.w. (+6.11; GB pigs 58-4p
per kg. l.w. (-0.1). England and
Wales: Cattle numbers down 11.5 per
cent. everege price 78-25p (-0.81);
Sheep numbers down 0.9 per cent,
average price 144-8p (+6.2); Pig
numbers down 10.0 per cent. everage
price 58.1p (no change). Scotland:
Cettle numbers down 15.6 per cent,
average price 84-05p (-3.33); Sheep
numbers down 26.0 per cent, average
price 138-7p (+1.9); Pig numbers down
14.1 per cent, average price 60.5p
(-0.3).

COVENT GARDEN—Prices in sterling

(-0.3).

COVENT GARDEN—Prices in sterling par packet except where otherwise stated: Imported Product: Oranges—S. African: Valencias 4 60-6.30; Erazilian: 3,87-4,70; Californian: 6.30-80. Lemons—Italian: 100/120s 5.50-6.60; Spania: travs 30/80/45 2 10-2.60. Grapefurt—Jaffa: Summer crop 4.70; S. African: 77/72 3.70-5.70 Applas—S. African: Grachy Smith 5.59-8.00; Starking 4.70; Yorks 5.03-5.50 Golden Delicious 5 69-6.00; Now Zealand: Red Dounherty 6.30-6.00; Now Zealand: Red Dounherty 6.30-6.00; Canny Smith 7.00-7.40; Sturmer 5.00 20 ib Democrats: Tasmanian: 2.79, Crefton 2.80-3.70; Sturmer Pippins 4.70, 4.50. Crofton 5 60-8.00; Sturmer 5 70-6.00; Granny Smith 6.50, Democrats 6.00; W.

AMERICAN MARKETS

New York https://steam/univellable Live Cartie-Aun, ph. 55,50 do (55 do), 67.45), Oct. 58,45,59,25 (58 do 59 do), Dec. 61,40-61,20 Jan, 62,50-62 45, Feb.

AMERICAN MARKETS

NEW YORK, July 31.

IN THE precious mutals, inculdation by Swiss interests triggered measure profitations with limit or near limit declines. Copper declined fractionally despite the overwhelming bearish psychology in precious matals. Cocca and coffee both reacted on the upside in e technical recovery in a declining market. System of male prices responded to limited commercial buying with minor gains, while prices were still under greasure because of improving harvest results. The livestock complex closed miyed as a result of hetter commercial ending market. States and trade and agreculative support. Heinfeld renormed agreculative support. Heinfeld renormed agreculative support. Heinfeld renormed great and gardinally off on coccat fracts and gardinally off on section of the states of th

EUROPEAN MARKETS

ROTTERDAM, July 31. Wheat—II S No. Two Dark Hard Winter 13 5 per cent Aug. \$205. U.S. Hard Winter artinary unquoted. U.S. Hn Two Red wheat Aug. \$191. Som \$197. U.S. No Two Northern Sorum 14 per cent Aug. \$195. Sept \$127. Oct. \$199.25. Nov. \$201. Dec. \$207. Maire—U.S. No. Three Com Yellow Antil \$142, July \$143 50, Aug. \$141.25, Sept. \$142. Oct /Dec. \$142.50, Jan./ March \$150, April/June \$152. Soyamag—2d oer cent norman II S. July \$730 50, Aug. \$234/233 traded, April \$223, July \$730.50, Aug. \$234.

Sont, \$740 Oct, \$745 Nov. (March 950 Andi Son \$754 50, seller, Brazil Pellets Andi \$229 un to \$230 Sont, \$243 traded, Apri \$730, July \$735, August \$740, Sept. \$244, Oct. \$751 Nov. \$257 \$251. Nov \$257. PAPIS, July 31.

Cocoa (FFr ner 100 bilos)—July exerced Sept. 1340-1250 Dec. 1371. 1372. Morch 1470-1435 May 1421, July 1479. Sales at call, 2.

Suger (FFr ner 100 kilos)—Cot. 973. 974. Nov 963-575. Dec. 1000-1021, fearth 110-1144 May 1140-1150, July 1275-1174. Aug. 1165-1190 Oct 1185-1005. Sales at call, 9. \$251. Nov \$257.

INDICES FINANCIAL TIMES

July 30 July 27 Winth ago Year ago 278.74 278.39 292.05 256.92 (Base: July 1, 1952 = 100)

MOODY'S July 50 July 27 Minth 290; Year ago 1072. 9 1079.4 | 1085.2 | 912.2

Dow July July Month Year Jones 30 27 Ago ago Spot ... 399.44/404 05 419.75/357.93 F'tur's 402.05/408.00 432.15/347.67 (Average 1924-25-26 = 100) REUTERS

DOW JONES

Australian: Granny Smith 5.00; Italian: Rome Beauty 0.09, Democrats, per pound 0.09, French Cardinals 0.05 per pound Pears—Victorian: Winter Nels 3.50-4.00; Spanish: Limoneras 0.14.
Wrilliams 17.18: French: Guvots 28 lb 280-3 00; Italian: Guvots 14.00 Plums —Spanish: Santa Rosa 2.40-3.40.
Italian: Burbanks 0.20-0.30. Grapes—Cypriot: Cardinal, per pound 0.75 Snl. tens 0.25-0.29. Thompson 0.35, Alahonsen o.40. Peaches—Italian: 17, travs C's 2.40-2.50. B's 7.60-2.80 A's 2.80-7.00.
Renenses—Jamaican: per 28 lb 4.40.
Renenses—Jamaican: per 29 lb 4.40.
Renenses—Jamaican: per

July 31Uuly 80 M'nth ago Year ago 1523.1 1529.5 1601.1 1420.6

(Base: September 18, 1931 = 100)

Leading equities a shade firmer after sluggish trade Gilts and Golds easier on sterling and bullion price

Account Dealing Dates

First Declara- Last Account Dealings tions Dealings Day July 16 July 26 July 27 Aug. 6 July 30 Aug. 9 Aug. 10 Aug. 20 Aug. 13 Aug. 23 Aug. 24 Sept. 3 "New time" dealings may take place from 9.30 am revo business days

An early technical rally failed to generate any lasting buying Monday's setback on concern about the likelihood of a further losses were pared by an 1 to 1 rise in interest rates, eased in The recently-resued £15-paid tap, sympathy with sterling's marked Treasury 111 per cent, was weakness yesterday.

The early rallying movement in leading equities was reflected in a gain of 4.1 in the FT 30share index at 11 am, after which the tone turned hesitant in the absence of follow-through The index rise was trimmed to 2 points by 3 pm, but a slight turn for the better in the late trade left it, at 454.2, with a pick-up of 3.2 following its drop of 16 points over the previous four business days. Trade for most of the session was still extremely sluggish.

Institutional investors were holding off again, presumably with an eye to conserving funds for offerings of Government-held for offerings of Government-new shares. Pending news of such sales, ICL, a poor market recently on thoughts that the Government's 24½ per cent holding in the group may soon be on offer, rallied 10 to 435p.

The FT Gold Mints index shed

2.7 for a two-day loss of 6.4 to 152.4 as the constituent shares reacted to yesterday's further lowering of the buillion price which ended \$21 off at \$298; per

ounce after having touched firmer immediately in front of \$294; in the early trade. Australian mining issues, on the other turned easier late to close 5 off hand, were festured by some hright spots following encourag-ing news on the Ashton diamond profits and the Board's cautious

joint-venture. Gilt-edged securities held up reasonably in sterling. Trading conditions were rather sonsitive, but after enthusiasm in equity markets an initial reaction of around ! in yesterday, and Gilt-edged, after long-dated stocks buyers showed interest at the lower levels and rather volatile and closed 3 down at 132, after 122. Short-dated stocks followed the pattern and finished with falls extending to and occasionally more.

Reflecting the setback in the dollar/sterling rate, investment currency rates were traded higher and after a fairly heavy institutional lusiness, the premium closed 1: points up at 21; per cent. Yesterday's SE conscious funter was 0.9261 (0.9199) ersion factor was 0.9261 (0.9109). Reflecting the paucity of interest in equities, business in Traded options fell to exceptionally measire proportions and only 172 contracts were completed, the lowest since the 137 recorded last January.

The resumption of dealings in the former Sri Lanka tea concern St. George Assets, now a security service company, turned quite lively; from an opening level of 30p, the shares ended at 31p after having touched 35p; the suspension price was 14p.

ā5āp

137p

319p

838p

71p. 182p

2820

2

20

Grindlays dip late Standing a couple of pence

LONDON TRADED OPTIONS

at a 1979 low of 101p following

remarks about second-half prospects. The major clearing banks reasonably well yesterday, took a turn for the better from despite the ferrly sharp setback duliness following the recent in sterling. Trading conditions batch of disappointing halfyearly statements. Midiand picked up 6 to 346p and Barcleys firmed 4 to 422p. Elsewhere, contrasting movements in merchar, banks were provided by Corininian which hardened 2 to 33p and Wintrust, down 6 at 82p. A modest technical improvement in Insurances left closing gams in 4. Revals finished that much dearer at 324p as did C. E.

Heath, 164p.

An early firmer trend in Breweries persisted to leave the leaders a penny or two better on balance. Sandeman again met small profit-taking in the absence of bid developments, easing 2 to Distillers, on the other hand, put on 2 to 233p.

In Buildings, Taylor Woodrow firmed 6 to 352p in response to the larger-than-expected dividend increase that accompanied interim results. Buying ahead of the third-quarter figures due on Friday belped Burnett and Eullamshire rise 25 to 490p and the "A" advance 20 to 465p, while the chairman's confident annual statement prompted a gain of a penny to 44p in A. Monk. On the other hand, recent favour te Brown and Jackson slipped 7 for a two-day [21] of 20 to 260p and Magnet and South-rns also relinquished 7, to

ICI Armed 5 to 301p on sterling induences. Elsewhere in Chemi-Press suggestions of a bid from British Sugar.

Vantona better

Reflecting the increased interim carnings, Vantona rose 4 to 118p, while Stavert Zigomula advanced 6 to 72p in belated response to the favourable pre-liminary results. Leading Stores staged a modest technical rally with Surton "A" leading the improvement with a rise of 4 to 248p. Forminster lost 6 to 140p and V. L. Pawson dipped 3 to 620. Shoes were highlighted by a fresh burst of strength in Stylo which use 8 to 1760, after 1770, following renewed buying on consideration of the company's

Cabivform weakened lets to 660, down S. on the annual arofit: sethach. Elsewhere in the Elec-trical fector, Automated Security contrasted with a rise of 7 to 163p on buying ahead of to-morrow's interim flavors. Other bright spots included Blettens, which armed 4 to 75p. On the other hand, Telephone Bertala

shortly left Unitech down 4 more premium, after 14p. Among the leaders. at 176p. Thorn edged up 4 to 420p and

GEC 3 to 353p.

With the exception of Hawker Siddeley, which encountered a little support and edged up 6 to 1860, the Engineering leaders ended on a slightly easier blas after holding steady for most of the day. Elsewhere, the majority of movements were against holders, but Acrow "A," a weak market of late, rallied 5 to 50p. while British Aluminium picked up a few pence to 188p. On the other hand, scattered selling left B. Elliott 4 cheaper at 204p and ML Holdings a similar amount lower at 173p. C. and W. Walker, 55p. and Yarrow, 360p. gave up 5 apiece, while fresh sporadic offerings left Ransomes Sims

the year of 140p. Interest in Food issues faded mid-session and prices, with the notable exception of Breoke Bond which firmed 1! to 421p, usually reverted to overnight levels. Eisewhere, buying ahead of today's annual results helped Hillards rise 10 to 340p, but George Bassett came on offer and shed 4 to 90p.

down 3 more at a new low for

Down 10 on Monday on adverse Press comment, Trusthouse Forte picked up 5 to 137p. Comfort Hotels attracted interest on news that negotiations to lease the Rainbow Suite and Kensington Exhibition Cantre had been completed and the shares firmed 1 to 23p; after 231p. Reflecting the chairman's confident remarks in the annual report, Warner Holidays A put on 14 to 48p.

Lindustries dull

A technical rally by the miscellaneous Industrial majors left Boots 5 better at 182p, Unilever 4 dearer at 488p and Bowater and Turner and Newall 3 higher at 155p and 119p respec-tively. Elsewhere, Lindustries stood out with a fail of 10 to a 1979 low of 115p in reaction to the retiring chairman's profits warning at the AGM. Metal Closures, on the other hand, rose 10 to 121p on speculative huying appreciated 10 to 485p. Favourable Press comment drew huyers' attention to Care industries and the close was 5 higher at 202p, while demand ahead of the preliminary figures due later this month left Restmer 7 up at 89p. Agre Needles hardened 3 to 45p as did Freder, to 41p, but Hirst and Mailtenen shaded a penny to 40p on the unimpressive interim figures.

Reports of reduced orders for apparent effect on Motor Distributors. Lex Service rose to 62p before settling for a net gain of 2 at 91p following sharply increased full-year profits and the company's confidence about current trading. Elsewhere, ERF found support and closed 1 better at 105p.

Newspapers tended lower in quiet trading, Daily Mail "A" giving up 5 to 403p. Porismouth and Sunderland, however, added 2 to 65p; the latter reported first-quarter figures some 40 per cent higher than the comparable period last year.

Dull on Monday on worries about a further rise in interest rates, Properties staged a partial rully on the appearance of cheap buyers with Land Securities improving 5 to 283p and MEPC picking up 2 to 176p. Great Portland Estates, at 316p, recovered all of the previous day's fail of 4, but Stock Conversion added just a couple of pence to 356p. Lingering bld rumours stimulated further interest in Bernard Sunley which put on 12 for a two-day gain of 20 to 402p, but City Offices failed to benefit from the higher interim profits and held at S1p. Bank and Commercial reacted 40 more to 240p in thin trading compared with Monday's opening level of 350p which followed the capital reconstruc-

Oils remain quiet

Quiet conditions persisted in the market for OH shares and prices rarely strayed far from overnight closing levels. British Petroleum fluctuated narrowly before settling at 1,195p, down 10 on the day, but Shell edged up 4 to 338p awaiting today's index 0.2 to 141.1. half-yearly figures. Among secondary issues, Oil Exploration western Holdings lost & to £16 hardened 2 to 340p following a and Vasi Reefs & to £141, while

encountered selling and fell 6 to 302p. Hays Wharf were quoted Press suggestion of a possible 185p, while fresh offerings ahead ex-rights at 125p, down 6, while for the company.

Movements in Shippings were

limited to a few pence either way. Common Bros., 195p, and V-registered vehicles had no J. Pisher, 190p, eased 3 and 2 annuarent effect on Motor Distri-respectively, but P and O Deferred hardened a penny to 100p. Buying interest was shown in Mersey Docks, 11 to the good at 28}p. Few movements of note were

seen among barely-tested Textiles, although the odd bright spot occurred in smaller-priced issues. Montfort added 3 at 62p, speculative returned for Sirdar, 4 up at 95p.

Firmer throughout the session. Bats issues improved afresh in later trading following the weakness of sterling and the Ordinary rose 6 to 271p with the Deferred 4 up at 255p.

CRA up again

News that two parcels of diamonds from the Ashton diamond venture have been evaluated to show over 60 per cent of gem quality caused flurry of activity in Australian diamond exploration issues.

Conzinc Riotinto, the major participant in the Ashton venture, advanced 10 to 188p, while

Ashton Mining rose 6 to 66p, after 68p, and Northern Mining

Elsewhere in Australians Stirling Petroleum jumped 5 to 15p following news that minor traces of oil have been found in the Bruce well on the North West Shelf.

South African Golds, on other hand, came under sellingpressure from the outset owing to a follow-through of overnight American selling—inspired by a downium in the builton price. The latter was finally \$2.25 lower at \$298.875 after falling to \$294.625 in the morning.

The Gold Mines index gave up 2.7 to 152.4 and the ex-premium.

MONTHLY AVERAGES OF STOCK INDICES

FINANCIAL TIMES STOCK INDICES 72.24 78.48 72.93 73.23 73.65 73.96 70.78 75.75 75.82 74.75 74.95 75.22 75.86 72.48 454.2 451.0 458.2 467.5 464.4 467.0 495.5 Industrial ... 155.1 158.8 158.4 157.6 161.8 - 191.5 152.4. Gold Mines. 141.5 146.5 145.9 147.5 151.7 128.4 Gold Mines(Ex-\$ pm) 141.1 7.05 7.091 6.90 6.86 6.82 6.78 5.38 Ord. Div. Yield 17.89 17.98 17.87 17.28 17.16 17.06 18.89 Earnings, Vid. 2 (full) 7.02 6.98 7.21 7.25 7.30 7.34 8.18 P/E Ratio (set) (*) ... Equity turnover £m . — . 12,285 13,229 11.545 11,168 9.926 18,669 Equity bargainstotal 10 am 452.1. 11 am 455.1. Noon 454.2. 1 pm 462.9.

Basis 100 Govt. Secs. 15/1/26. Fixed tat. 1928. Industrial Ord. 17/25. Gold Mines 12/8/55. Ex-5 premium index started June, 1972.

SE Activity	SE Activity July-Dec. 1942. 1 Correction.								
HIGHS AND LOWS SE ACTIVITY									
. ` -;	15	79 .	Since Co	mpilat n	:	Auly	July		
	High	i Low	High	Low	***	31	30		
Govt. Secs.	75.91 (4/5)	54.54 (6.2)	127.4 (9/1/36)	49,18	—Dally Gift Edged Industrials	145.8 145.3			
Fixed Int	77.76	66.03 (15/2)	· 150.4 (28/11/47)	50,53 (8:1:75)	Speculative Totals	24.2			
Ind. Ord	558.6 (4/5)	448.1 (12/7;	558.6 (4/6/78)	(26/6,40) .	5-d'y Av r'ge		7		
Gold Mines	208.4 (8)6)	129.9 (17/4)	1-	45.5 (26) 18)71)	Silt Edged	137.2 133.6	128.2		
Dold Mines (Ex. Spm)		95.2	337.1 (6/4/24)	(25/8/75)	Speculative Totals	26.5 90.5			

the medium and lower-priced issues showed Durban Deep 22 easier at4 45p, Western Deep 38 off at 695p and Blyvoor 16 down

Financials were mixed. Among the South Africans, Union Cor-poration and Anglo-American were both around 5 easier at 324p and 315p respectively but De Beers managed to rise 4 to

349p following modest Lundon In London Financials, Gold Fields initially fell to 213p before recovering to close unchanged on balance at 218p.

The latest news from Conzing ture sided sentiment in Ric Tinto-Zine which improved 7 to

OPTIONS

DEALING DATES: Deal- Declara- Settle-(DES) July 24 Aug. 6 Oct. 18 Oct. 30 Aug. 7 Aug. 26 Nov. 1 Nov. 13 Aug. 21 Sept. 3 Nov. 15 Nov. 27 For rate indications see end of Share Information Service

ton Reed, Inter-City, Dunbe John Brown, ICI, Ultramar Furness Withy, Bambers Britannic Assurance, Town and City, Westminster Props. St. George Assets and Maple Puts completed included Spillers and Bank and Commercial, while Money was given for the call doubles were arranged in Style, in Premier Oil, Spillers, Riving MFI and Spillers.

ACTIVE STOCKS

			· ·No.	· .		44.5	وراد المحاكات	e in March
		Denomina	of	-Clost	ng Cl	ange .	1979	
•	Stock	tloa	marks	price	(p) or	day .	high	Iow
•	BP	£1.	13	1,195	í ta ≐	10	1,295	882
٠	RTZ	25p	_ 9	260		- 7	362	226
•	BATs Defd	255	~ 8	255		4`	337,	242
	Barclays Bank .	£1	· , 8 ·	4.32	:	er 💇 🕞	514	380
•	ICI	£1:	8	321		5	415	314
	Shell Transport.	25p	. 8	. 338		7	402	278
	Beecham New	25p		133		7 . 2	1,44	1201
	Boots	25p	7	182			200	177
	Midland Bank		. 7	346			-900	340
	Trusthouse For		7	137			196 -	127
	Bowater	£1	6	155		. 0	240	101
	De La Rue		6 .	495		- D'.''	272	926
	GEC	250	6	363		- 5	7900.	316
•	GKN		₽ .	258		100	- 200 -	220
	St. George Asse	rs Trib	ь	31			50	

APPOINTMENTS

Edmund Dell joins Halifax

Dr. W. P. L. Wilby is to join in Board of NEXOS OFFICE STEMS as development

Mr. Christopher H. Buckley, chairman and chief executive fficer of the Risdon Manufacturing Company, has been appointed chairman of METAL BOX AMERICA INC. Mr. Peter J. Hewett has been made president and chief executive of that cent and chief executive of that company. Until this appointment, Mr. Hewett was commercial director of Metal Box Packaging of the UK. Other Board members of Metal Box America are Mr. Jumes Hodder, vice-chairman of Metal Box Limited and Mr. William Barclay, MB's personnel director. Metal Box America, which is to open its office at Westport. Connecticut at the beginning of September, is the holding com-pany for Metai Box Standun Inc.. Risdon Manufacturing, ine.. Risdon Manufacturing, Simplimatic Engineering, and Metal Box Consulting Services. Metal Box Standun Inc. representing an investment of \$25m was set up in April last year by Metal Box Limited in con-Junction with Standon Inc. of California, manufacturer of can making machinery. The new company, of which Metal Box Limted holds 75 per cent of the equity, was formed to make two-

-Sidney Procter are to become directors of the ROYAL BANK Board. He is a director of OF SCOTLAND from October 1. Barclays Bank International. As Sir George is at present a non-executive chairman director of National and Com-mercial Banking Group and succeeds Mr. Donal Carroll, who newly formed division of chairman of Williams and Glyn's has acted as non-executive chair-Archibald Kenrick and Sons. He Bank. Mr. Procter is a deputy man of that company since 1972. managing director of the group Mr. Carroll is chairman of company and a director and the Carroll Industries, an associate chief executive of Williams and of Rothmans International. Glyn's Bank.

piece heverage cans at Carson, near Los Angeles.

joined the group management

Mr. Geoffrey Turner has been appointed a main Board been appointed managing directivestment Group of Boston.

director of THOS. W. WARD. tor of HIGH-POINT PROJECT

He was previously a joint manage MANAGEMENT, a subsidiary of Mr. Bruce Sellars has be ing director of its subsideary. High-Point Services Group. Ketton Portland Cement Company, a responsibility he shared

mans International, the parent sentance onice in it usion. company. Sir Henry has been chairman of the British Tourist Authority since 1877. He joined British European Airways in



of BEA in 1964 and chairman in 1971. Sir Henry was made deputy chairman and managing director of British Airways on Sir George Kenyon and Mr. its formation and remains a sidney Procter are to become member of the British Airways irectors of the ROYAL BANK Board. He is a director of

Four executives of W. AND ASSOCIATION has been formed fr. C. BONHAM AND SONS have by the founder members and

Mr. B. St. G. A. Reed has re-Board of MERCANTILE signed as a non-executive become CREDIT COMPANY following director of GRATTAN WARF of SC his secondment with Barelays HOUSES because of business MANAGI

II. Edmund Dell, an MP until has ast General Election and a parent company, has become director of the continuous which has been made director of the Continuous manager, has been made works to satisfactor of Guinness Peat oup, Guinness Mahon and Co., and the English National Opera.

Sheffield, a local director of the Watters has been director of the company, has been made works to the company.

For Harding has been made works the English National Opera.

Sir Henry Marking has been director of the Colin Continuous manager, has been made works the English National Opera.

Sir Henry Marking has been director of the Colin Continuous manager. He company works the Board of Mr. Colin Continuous manager.

Mr. Colin Continuous director of the Watters has been director of the Colin Continuous manager. He company works the Board of Mr. Colin Continuous manager. He company works the Board of Mr. Colin Continuous manager. He company works the company works the company works are continuous manager. He company works the company works are company works and the English National Opera.

appointed to the Board of CARRERAS ROTHMANS as non-executive chairman and he has also become a director of Roth-VEST HINSTER IN KS Pepre-Lewise Plant.

Sir. John Crabb, managing director of JOHNSON WAX in Britain, has been appointed area 1949 and became chief executive director, consumer products, European operations. The new managing director from the end of this month is Mr. Geodrey Rudson, who was previously at the Johnson Was headquarters

> Mr. : Talcolm Davies has been appointed general manager and local director of the Resolven.

Mr. William Craig. a member

Mr. H. R. Ainsworth bas been appointed a director of LONG AND HAMBLY.

Mr. P. A. Rippon, formerly vice-chairman of LINDUSTRIES.

Mr. Alan Henderson bas ne managing director SCHLESINGER TRUST his secondment with Barelays HOUSES because of business MANAGERS. He succeeds Mr. Bank International in Australia, commitments in his own group. Richard Timberlake who has resigned to take up an appoint-ment with the Fidelity Mr. C. H. Peter Trollope has

> Mr. Bruce Sellars has been appointed secretary of the NATIONAL BUS COMPANY, He Mr. M. Albut has been succeeds Mr. R. St. C. Sandall

NEW HIGHS (13) BRITISH FUNDS (1)
Electric 41-oc 174-79
FORE: GN BONDS (1)
Antofegista Railway
EANNET III Marson Finance . BUILDINGS (1)

Bestobell edged up 2 to 212p on

its offer; the latter eased 2 to

F0005 (1) Hoffers (1: Warner Heliday: A INDUSTRIALS (1) Restmor SHOES (1) TERTILES (1) TRUSTS (1) TEAS (1)

MONEY (1) **NEW LOWS (103)** BRITISH FUNDS (1) AMERICANS (1) BANKS (3) BEERS (1)

South Wales, plant of CAM GEARS, He sucreeds Mr. E. G. Coleman, who had resigned as general manager on medical advice, but continues as a local director. The company is a sub-sidiary of TRW Inc.

of the Council of Europe and of the Western European Union, has been elected to the Egard of UNICO FINANCE, part of Unico Group, merchant

Mr. Kenneth Hampton has been appointed managing director and chief executive of PA INTERNATIONAL succeed-ing Mr. Trevor Utting, who is

Mr. Ron Wise has been appointed managing director of KENRICK HARDWARE, the man of that company since 1972. continues as a director of the parent concern.

joined the Board. They are
Mr. Michael J. Earp, Mr. Leslie
Mr. K. Hughesdon, chairman. etc.
J. Gillham, Mr. Andrew Hawkins
J. N. M. Cheetham, deputy chairman, Mr. M. Redgwell, secretary, has been appointed to the Board of LAKE AND ELLIOT.

with the late Mr. E. L. Holmes, appointed managing director of who has been member for Mr. Peter J. Greene, based in MULTIGLASS and Mr. J. administration since January.

New Righs and Lowo for 1979

Fixed interest......

Total Bartains

Industrial Croup....

F.T. - Actuaries

following securities quoted in the information Service y electral d new Highs and Lows for 1979. DRAFERY & STORES (3) ELECTRICALS (3) ELECTRI CALS (3)
EMG REERING (10)
ROODS (1)
INCUSTRIALS (20)
INSURANCE (1)
INSURANCE (20)
INSURANCE (2 Burnott Hallamidire ELE:TRICALS (1) Automated Sec.

ARD FALLS DAY 23 55 Totals 408 647 1,339

recent issues

EQUITIES

ssuo	d Up	look links.		79	Stock:	Be :	pri	- H	20 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
71:00 7:	Z.g	وَ قِ كَ	High	<u>۳:ما</u>		:32"		5	9.5 - 4	M
	F.P.			60	Arrow Chemicals 5 4 Q (Retail) 5p		_4 _2		2,3, 4,5 ₁ 14.5 2,8 3,3°15.5	
		27/7			Fairline Boats.	101	:'	⊿3,6 ; i	3,6 4.9 7.	3
160	F.P.		187	173	Malay'n Pl to Berhad Mercantile House	177	+4	10.72: :	1.8· 7.5 - 8.8 13.8:11.	6
	F.P.	10 B		26	Mettoy Did	. 26	i	- 1	-:-:	
er.	F.P.	-	44	36	Phicom 10p		+2		4.6 ₁ 3.8 13.4	
44	F,P.	-:	1.2	30	St. George Assets10p				1.1 4.5 3.	
160	F.P.	8.8	187	173	StandardTel.&Cables	184		58,0° 2	2,1 6.2;11.	1

FIXED INTEREST STOCKS

	E 2 2 2 2	79 Low	Stock	Price L	+ or
100 100 100 100 100 100 100 97 100p 100 100	F.P. 20,7 1011, F10 — 111, F.P. 27,7 115 F.P. 30 7 102 F.P. 50,6 102 Nii — 983, — 102 E10 24 6 £ 13	93 (1154 (1070) 87 (100) 100 (1273)	Aurora 84 Conv. Cum. Prcf Eiglish & Overseas Inv. Conv Eissex Water 83, Red Pref. 1984 Kwik-Pit (Tyrca: 85, Cnv. Ln, 1979-85 Mursh II a Univ ra 74, Cnv. Cum. Red. Prf. Porismouth Water 88, Rod. Prf. 1984 Soci. Agricul tural Sec. 135, Dob. 97-99 Stenchik 101; Cnv. Prf Sund. & S. Shields Water 85, 1986 Wexham Water 85, 1984	95 113 113 87 101(2 97'4 200 213	

"RIGHTS" OFFERS

E8 + + or

rice p:	¥6 5	9		High	Lew	Stock See -
1.2	Nii	_ I	_	ā6 jį ·m	37 ₁₄₀	Bank of New South Wales 57pm;
36	F.P.	97	10 B	4i	واوان	Causton Sir (J.) 401g -12
65	F.P.	17/7	10.6	90	. 132	Century Oils
52:	F.D.	10.7	10,8	63	55 .	Combined English Stores 60 -2
	MU	3 B	24.5	11pm	10pm	Control Securities 10-pm -12
26	Nii .		10.6	4 pm	3010	Edinburgh & Gen 31- pm:
195	F.P.	20.7	10.5	225	20 8	'Elliott (B.)
	F.P.	13,7	3/8	138	125	Geevor Tin
	Nij			26pm	દુ•ુ⊅m	Goodkind (\V.) 21pm 4
50	Mil	3.8	7,9	19pm	- 7 pm	Goldberg (A)
26	F.P.	29.5	10/6	146	. 151	'Grand Metropolitan 138 +-1
50	Nii	6.6	31 8	71 pm	50om	Hanson Trust 53mm ± 3
	F.P.	3Q·7	28,8	50	6712	'Hargreaves 491
15	Kii		_	14 CW.	125m	Ney's Wharf
88	F.P.	27.7	24-8	101	91	'Highland Dist 100 ',- i
55		13/7	24 B	298	18212	Holt Lloyd Inti
10	F.P.	57	7,9	114	107	Intl. Timber 107 -7
20	Nit			7pm	6pm	Lennons 7pm;
	F.P.	13.7	5,8	110	105	McCorquodale 105
:5cts		15,7	176	lem.	Nil	יייי. ווא 'ב מסיסיסיסיסיסיסיסיסיסיסיסיסיסי
60	F.P.			129	110	Sound Diffusion 122 :-2
108	F.P.	27.7	20/8	176	126	Stylo Shoes 176 +8
57		36,7	25.6	6nlg	CO	UEM 6612
87	F.P.	13,7	10.8	110 .	94	W.G.1 105
_						

Renuncision date usually last day for dealing free of stamp duty. b Figures based on prospectus estimate g Assumed dividend and yield. a Forecast dividend; ever based on previous year's earnings. F Dividend and yield based on prospectual of other official estimates for 1979. Geross. T Figures assumed. : Cover allows for conversion of shares not now ranking for dividend or ranking only for restricted dividends. § Flocing price to public. at Ponce unless otherwise indicated. I issued by tenoer. [Offered to holders of ordinary shares as a "righta." ** Issued by way of capitalisation. §§ Reintroduced. 11 Issued in connection with reorganisation, merger or takeover. [[I Introduction.] Issued to parily-hald allotment letters. # With warrants. 11 Unilsted security. 12 Issued as units comprising 2 Income shares and 10 Cypital shares at 125p per unit

** - ACTUARIES SHARE INDICES

and the Faculty of Actuaries

•	HOUTY EXCUPS		ues,	July 3	1, 19	79.	Mos., July 30	Fri.	· July · · July ·		Year 890 (approx.)
	A. SSZ-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	Inde s No.	Day's Change	Estritage Yield % (Max.)	Gross Tiv. Yield % (ACT	- (Net)	index No.	index Na.	Index No.	index No.	lades No.
1	. c v u neodeniare)	233.63	+0.1	18.38	6.06	7.63	233.AL	237.51	237.05	239.97	228.16
5	Pulsing Materials (27)	219.37	-83	19.17	6.08	6.80	218.95	225.85	223.72	224.25	209.16
ź	Contracting, Construction (28) Electricals (15)	546.29 572.01	-52	26.35	6.03	4.74	347.03	349.32	350.75	352.64	358.67
- 5	Engineering Contractors (12)	365.88	+0.5 -0.7	13.63 20.26	4.05	10.67 6.16	568.45 368.57	581.19 376.71	379.91	592,79	483.67
6	Medical Engineering (74)	170.65	+0.4	19.69	6.77	6.46	170.03	172.70	174.79	175.56	183.96
8	Metals and Metal Forming(16)	156.80	40.7	19.96	9.55	6.23	157.50	159.64	igg	163.90	172.74
17	(1901/46LE) (52)	222.12	+0.4	16.49	5.11	7.66	221.33	225,10	226.17.	226.21	208.16
12	′ ∟ . & ecurcales, Radio, TV (16)	309.79	+8.3	12.96	3.86	16.10	309.90	314.89	316.25	315.63	300
13 14		147.14	-0.4	19.79	. 7.42	6.20	147.79	150.19	151.27	152.00	194.71
14	Motors and Distributors (23)	109.29	#8.8	24.47	7.67	∵ 4.9 6	168.40	109,72	110.29	110.79	126.77
21	(NG71-DURABLE) (171)	227,48	+0.7	17 <i>2</i> 1	6.21	7.25	225.81	990.59	230.46		479.6¢
22	Breweries (14)	273.37	+0.7	16.59	5.53	7.19	271.58	229.62 274.48	276.67	231,22 277,40	213.96
25	Wines and Spirits (6)	323.26	+9.6	16.97	E 65	7.36	32179.	324.86	326.93	326.71	277.71
24	Entertainment, Catering (17)	293.65	+8.9	16.97	6.94	7.76	299.40	298.69	301.68	302.73	264.10
25	Food Manufacturing (19)	193.75	+0.7	20.43	6.82	6.09	19234	194.96	195.52	196.60	202.11
26	Food Retailing (15)	294.51	+0.1	<u>12 54</u>	4.34	9.51	291.21	297,49	297.17	297.86	222.28
32 33	Newspapers, Publishing (12) Packaging and Paper (15)	389.95	-0.9	. 24.26	7.46	5.78	393.61	492.54	404.86	484.94	400.72
34	Stores (41)	121.25 233.90	+1.2	24.24 12.50	9.19	5.34	119.84	120.99	121.62	122.16	141.48
35	Textiles(23)	149.01	+0.7	24.52	4.46 10.26	10.52 5.16	232.20	237.33 149.95	238,05 · 151,18	239.36 152.16	201.07 = 181.72
36	Tobaccos (3)	232.M	+13	24.67	9.56	4.61	229.61	233.15	232.25	230.56	255.15
37	Toys and Games (6)	65.46	+14	26.32	10:26	4.83	64.76	65.30	E5.84	66.70	112 68 **
41	OTHER GROUPS (99)	191.97	+0.4	16.62	6.55	7.42	791.16	194.68	191.46	195.57	207.84
42 43	Chemicals (18)	256.01	+0.8	19.08	7.26	612	263.96	267.23	267.65	269.28	294.16
43	Pharmaceutical Products (7)	210.50	+8.8	13.32	5.21	9.17	208.73	2331	213.48	224.48	. 279.99
45	Shipping (10)	114.75 443.04	+82	17.4E 10.61	7.23 6.77	7.18 12.62	114.54 441.11	116.29 449.43	116.68 452.47	116-69 452.36	134.33
46	Miscellaneous (58)	228.53	+0.4	17.05	6.42	7.58	228.56	231.92	232.70	234.98	420.76 271.52 -
49		226.87	+0.5	17.32	6.17	7.26	225.83	224.58	230.50	231.36	722.75
51	Oils(6)	641 41	+0.1	1238	5.25	8.59	640.02	644.10	147.14	617.37	493.75
59	500 SHARE INDEX	263 77	+0.4	36.42	6.00	7.47	259.25	263.62	254.20	264.93	245.50
61	FINANCIAL GROUP(116)	179.88	+86		5.82		178.76	126	183.70	185.76	171.16
62	Banks(6)	212.18	+1.0	38.28	6.04	3.35	210.17	216.39	238.96	224.78	187.80
63	Discount Houses (10)	254.37	+83		7.22		253.55	257.50	257.62	257.98	230.64
65	Hire Purchase (5)	157.40	-	21.08	5.52	0.05	157.40	161.18	161_98	161.89	155.85
66	Insurance (Life) (10)	143.89	+8.2.	_·	_7.07		143.57	145.87	146.99	148.53	16.0
67	Insurance Brokers (10)	117.14 235.49	+0.7	27.17	7.71		116.28	117.73	113.50	118.77	133.86 355.36
68	Merchant Banks (14)	97.63	+1.7	****	7.75 5.89	6.76	232.59 97.89 -	236.93 96.10	235 10 96 32	23431	89.33
69	Procerty(43)	342.73	-02- 4:0+	3.28	2,64	45,42	340.73	344.27	351.86	354.96	. 60.33 252.58
70	Miscellaneous (10)	113.27	-6.5	16.43	7.88	7.80	114.29		116.67	115.64	109.67
四	Investment Trusts(110)	2(10.42	+0.1		5.65		216.28	20L73	202.83	203.76	230.28
81	Mining Finance (4)	113.78	+13.	17.52	6.64	7.00	112.28	112.77	112-16	112.16	105.84
잂	Overseas Traders (20)	321.77	+0.5	16.90	7.74	725	319,71		325.63		320.57
99	ALL-SHARE INDEX(750)	237.13	+0.4		6.00	. —		239.54			
					F13	ED Det				***	·

_	•			·		. 1	pres 1 1 550m (55134 pint 1 pint 1 50035
_	- FIXED INT	erest f	PRICE IN	DICES	7 -	FIXED INTEREST Toes, Mos. Year July July 290 British Govt. Av. Grass Red. 31 30 Iapprox.	
	British Government	Tues., July 31	Day's change %	xd adj. today	nd adj. 1979 in date	1.3	Low 5 years 10.36 10.22 16.55 Coupons 15 years 10.61 10.75 10.44 25 years 11.26 11.27 11.38
1 2	Under 5 years	194.98 115.70	-0.11 -8.29	-	5.18 - 6.90	5	Medium 5 years 12.67 12.68 31.24 Compons 15 years 12.39 12.34 12.63 25 years 12.32 12.28 12.75
3 4	Over 15 years	122.72 136.93	-0.35 -0.36	_ _	8.15 7.24	7 8 9	High 5 years 12.72 12.65 11.43 Chapters 15 years 12.71 12.65 12.95 25 years 12.71 12.65 12.91
5	All stocks	113,94	-0.25	١ ـ	£67	10	Irredeemables 10.78 10.73 11.50

Tues.,	July 51 7 Mon.	Fr., Thurs. V July July	red. Tues.	Mon. Fri.	Year ·
Index No.	Yield 80	104y 301y 27 26	aly July 25 24	23 20	(approx)
(15) 58.21	A10 76 86 70	20 AN 20 AN	المنابة الما	4 - 1	

Investment Trust Prefs. (15) 50.93 13.18 51.22 51.60 51.60 51.60 51.60 51.60 51.60 Coml. and Indl. Prefs. (20) 72.46 12.55 72.31 72.22 72.32 72.10 72.10 72.10 72.72 70.16

مكنامنالأجل

Accom Units) 16

Caron Linky 25

4 (Accum. Onits) 62

Glev July 31

47

(Accum. Units) 47

(Accum. Units) 47

(Accum. Units) 47

(Accum. Units) 52

Van. Grant July 31

48

(Accum. Units) 62

Van. Hy July 31

68

Van. Hy July 31

69

Van. Hy July 31

69

Van. Hy July 31

69

Vict. Div. July 31

67

67

69

Do. Accum. 18

Leaden Wall Green Capital Growth

BONDS

Schrader Life Groupy

强 二 拨

343

der Wagg & Co. Ltd. 9(a)(e) 102. 01-240 3434 107.2 115.2 -15 3.32 131.8 141.7 -19 3.32 190.8 205.1m -54 8.20 190.8 48.7m 413

031-556 9101 55.4 -0.9 5.63 65.6 -1.1 5.63

156 -

超過過

211 -03 236 24 -01 246 326 -01 446 1623 -37 613 266 -01 1026 1442 -03 625

031-2298621/2 283 2.45 438 634 646 -0.2 10.41

er. 1.td. 01-626 0511

Sebag Unit Tst. Managers Ltd.(9 (a)
PO Box 511, Borbry. Hse. E.C.4. 03-236 5000
Sebag Capital Fd. 37.4 39.4 4.69
Sebag Income Fd. 30.0 31.6 8.26

OFFSHORE AND **ERSEAS FUNDS**

180 ugate Commodity Ser. Ltd. 42 Dougles, La.M. 0624-23921 0264 62188 Nat. Westminster Jersey Fd. Mar 45 La Motte St., St. Heher, Jersey 053 High Income Fund 49,5 Equity Fund 49,0 se Japhet

Row, ECA 01-244

Row, ECA 32.07 - 0.02

Data 27 - 51.73 - 0.07

Data 27 - 51.73 - 0.07 ## Company Laboratory Eurobond Holdings N.V.

Commod. 1333 164 1 2.3
St. Deposit 151 162 11.50
*Prices on July 20. "July 25. "July 2 **Rest sit. day August 1.

Schroder Life Broup
Enterprise House, Portamonth.
Informational Female
Emily | 17.5 | 15.0 | --Scottly | 145.7 | 15.0 | --Fixed Interest | 15.8 | 16.9 | --Fixed Interest | 11.4 | 127.2 | --SManaged | 129.3 | 137.5 | --SManaged | 129.3 | 137.5 | ---0705 27733

G.T. Unit Managers Ltd.@ 16 Festury Class, EC2M 700 G.T. Can Inc. 1006 107/06

0306-5055 97-5 +031 4.95 66.3 +031 4.95

_|51.9 54.6| −1.9| 3.88

390.5| +0.1| 5.43

120 - 10 - 1 120 - 10 - 1 120 - 10 - 1 120 - 10 - 1 120 - 10 - 1 120 - 10 - 1

68-73 Queen St., Edinburgh EH2 4NX Dealings to: 01-554 8899 or 031-226 7351

Beneral Portfolio Life Ios. C. Ltd. 9
60 Barthotonew Ct. Waithern Cross. WX31971
Portfolio Fd. Acc. 155.1
Portfolio Fd. Iost. 155.1
Portfolio Managed 22.9
Portfolio Managed 22.9
Portfolio Managed 22.9
Portfolio Fd. Iost. 153.2

Property Bends 215.5
ERE Linked Life Assessment Life Assessmen

917 -05 4.03 914 -07 230 753 -07 402

7.90

0202 767655

342 -01 232 343 -03 222

Albarry Life Assurance

The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s

STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STA

ORMATION SERVICE

CHEMICALS, PLASTICS-Cont.

Engineering	1	
RIVETING SYSTEMS PARTS FEEDING & ASSEMBLY SYSTEMS OTHER AIDS TO INCREASED PRODUCTIVITY Send for The Guide to the BE Group	FOREIGN BO	NDS & RAILS
Bifurcated Engineering Ltd.	High Lew Stock	Price + cr Div. % Red. £ - Gress Yield
P.O. Box 2, Mandeville Rd. Aylesbury, Bucks HP21 8AB Tel: Aylesbury (0298) 5911	35 22 (Antol agasta Rh 45 37 Do. 5pc Pref 96 98 Chilean Mixed 31 18 Chinese 4-pc 1898 35 24 Do. 5pc 1912	45 75.10 25 75.10
BRITISH FUNDS 1979 High Low Stock Frice for Yield feel.	29 11 Do. 5pc 1925 Boxer 430 400 German Yng, 41 gpc. 52 38 Greek 7pc Ass 51 37 Da Spc 28 State Ass.	11
"Shorts" (Lives up to Five Years) 9831 945 Treasury 3pc 7944 9831 955 Electric 44,0c 74-79 1004 545 Treasury 10 20c 7944 1059 1357	68 68 Icetand 61gs: 33-88 931- 781-2 Iretand 71-pc 81-83 871-7 69 Do 93-pc 91-96 .	52
97½ 94½ Electric 3½pc 76-79 97½ 3.59 1272 99% 95% Treasury Oct 1980±1 973±1 9.20 13.25	390 230 Japan 4oc 10 Ass 73 65 06 6pt 83-88 169 135 Peru Ass. 3pc 759 75p S.G.I. 61 gpc 1960 5941 5945 Turin 9pc 1991 DM91 DM91 Turin 61 spc 1984.	250 3 1.75
97% 92% Funding State 78-302± 95% 5.47 9.98 103% 99% Erchequer 13ct 1980± 109 13.09 12.88 102% 99%	U.S. \$ & DM prices	97 32 3.80 exclude inv. 5 premium
991 973 1768ary 7 9ap 1931 953 1 10.18 12.57 964 891 Exch. 84apt 1931 933 4 823 12.28 981 974 Exch. 92pt 1981 934 4 10.00 12.38 971 544 Exch. 3pt 1981 90a 3.333 8.40	11	RICANS
964 891 Exch. 8-pp 1981 931 6 883 12 28 981 971 Exch. 9-pc 1981 95- 1 10.00 12 38 971 644 Exch. 3pc 1981 95- 3 33 8.49 98 96 Tress Variable 8146 97 1 14.19 15.08	1979 High Lane Stack	£ - Sress C'17 Gr
983 96 Treas Variable 81% 97 3 14.19 15.06 10419 97 4 Erch 121ac 1961 10419 15.06 10419 17.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12.06 12	204 1 117- IASA	117-1-1-151-001 13
96's 88 Treas 8'soc 80-82tt. 92's -3 9.18 12.06 89's 82 Treasury 3oc 82tt. 88'sot -4 3.38 8.09 105's 100's Treasury 14pc 82tt. 102's -1 13.61 12.65	59 42 AMF 5% Conv. 87 214 145 Abbott Labs.il	1 42 25 - 170
100-5 100-5 17easury 149c 8251 102 10-5 104 10-5 104 10-5 104 10-5 104 10-5 104 10-5 104 10-5 104 10-5 104 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5	25 17 Amax \$1	761 +1 21-80 - 5
974 845 Treasury Bage 825 91 12.50 974 845 Exch. 94cc 1983 91 12.50 975 845 Exch. 94cc 1983 91 12.50 975 845 Exch. 94cc 1983 93 12.60 12.50 864 774 Erch 3pc 83 93 12.60 12.50 12.60 12.70 12.50 12.70 12.50 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70 12.70	24i ₂ 13i ₄ Amer. Medic. Int. 14i ₈ 847p Asarco Inc.	144 OUT [U.
957 845 Erch 85pc 1933 9913 - 4 361 365 83 83m - 4 361 365 366 1943 974 1762 875 1945 974 - 4 361 226 12.71	274 193 Baker Intol. Corp. 51 124 7250 Barroes Gro. 362:	213 ₈ +1 ₄ 50: - 1 845p +20 \$0 66 - 3
104 934 Treas 12pc 23 Att 97 3 - 1 12 26 12 78	295 16 Bendix Corp. 55 174 9660 Beth. Steel \$8	845p +20 \$0 66 - 3 17% -18 \$3.00 - 7 11 +4 \$1.60 - 6
95 931; Treas Variable 8345; 944; 14.70 15.89 974 841; Treasury 94ac 83 91 2 1 10.12 12.86 931; 851; Eych. 10p. 1983 92; -1 10.84 12.35 891; 783; Funding 54-5c 82-84=1 851; -1 6.43 9.65 774; 764; Each. 3pc 1924 9 767 -1 3.90 8.94	13 597p Brown'g Fer. c.1623 11 609p Brunswick Corpus	644pm +6 t0c - 4. 632pm -11 80c - 4.
93\(\) 85\(\) Evch. 100: 1983	35 271 ₂ Surroughs Corp. 55. 41 3 231 ₂ CBS \$2.50 33 241 ₂ C.P.C. \$1 ₂	6320m -11 80c - 321 +14 82.20 - 3 251 +14 82.60 - 4 255 -14 83.0 - 0
774 764 Each 3pc 1924 765 (-12 3.90 8.94 Five to Fifteen Years		251 +1 52.60 - 4 255 -1 53.0 - 0 26-00 +1 52.10 - 3
801 3 871 17 m marrier 7 2m 1 2001 1 895 1 1 1 12 20 1 17 Ad	25% 17% Chase Minn. \$12.5. 17% Chase Minn. \$12.5.	26-10 +12 \$2.10 - 3 191-11 \$2.40 - 5 1014 \$1.98 - 4
110 934 Exch. 1214pc 1935 10038 3 12.50 12.69	17: 10-3 (hose winds 12.3) 17: 10-3 (hose brough \$1. 19-3 10-4 (chicorp \$4. 11-1 \$180 (chicorp \$4. 11-2 \$180 (chicorp \$4. 11-3 \$1. 11-3 \$1.	402p -11 40c - 4 1034 +14 51 30 - 5
	111. 818p City Inv. 51.25	1074 + 4 5130 - 5. 8570 + 14 51.0 - 5. 1333 52.0 - 6
112-9 474 Exch. 1949c 1967 1023 -4 1239 1275 1849 1272 Function 9130x 85-88± 814 -13 9.49 11.15 703 583 17easury 7ac 85-88± 814 -13 9.49 11.15 703 583 17easury 5cc 86-89 637 -4 17.35 10.08 11379 933 17easury 91 87 90 ± 12276 -4 12.71 12.59 894 772 17easury 91 87 90 ± 12276 -4 10.27 11.45 10.64 864 17easury 91 87 90 ± 12.71 12.59 864 17easury 1130x 1931 953 4 10.27 11.45 10.64 864 17easury 1130x 1931 953 4 12.4 11.2 11.2 11.2 11.2 11.2 11.2 11	18:1 12% Do. Cm. Pri. B. 51. 14:4 7489 Colgate-P. 51. 28:4 19:4 Colt Inds. \$1. 29:4 17:4 Conco	402b -11 40c - 4,
701 58-1 Transport 5cc 76-29 637 -1 4 77 9.92 73 611c Treasury 5cc 36-29. 69: -1 7.35 10 98 1137 ₉ 934 Treasury 13c: 1990# 1027 ₉ -1 1277 12.59	28 ¹ / ₂ 19 ³ / ₄ Colt Inds. \$1 23 ³ / ₂ 17 ¹ / ₂ Conoco	211 ₆ +1 ₂ \$2.50 - 5 187 ₅ +1 ₆ \$1.7 - 4 133 ₆ - \$1.44 - 4
1137 ₆ 933 ₄ Treasury 13pc 1990# 1227 ₆ -1 ₄ 12.71 12.59 894 727 ₄ Treasury 81, 87 90# 813 ₇ -1 ₄ 10.27 11.45 1060 ₈ 861 ₈ Treasury 113pc 1991 953 ₈ -1 ₄ 12.41 12.63 721 ₈ 603 ₈ Funding Sapc 87-91# 953 ₈ -1 ₄ 3.51 10.67 983 ₈ 894 ₈ Erch. 11pc 1991 921 ₈ -5 12.21 12.61	20", 12% Cent. Illinois \$10. 25% 16% Crown Zell \$5	134 - 4 174 + \$2.10 - 5
1061 ₈ 861 ₄ Treasury 112:pc 1901 955 ₃ -i ₈ 12.41 12.63 721 ₂ 603 ₄ Funding State 87-9144 693 ₆ -i ₈ 3.51 10.67	277 184 Eaton Crp. \$0.50.	152 +15 S158 - 6 115 +16 S1.84 - 7. 2578 - 54.00 - 7. 5730 +1 S110 - 8.
984 894 Erch 11zc 1991 924 -5 12.21 1.61 1115 91 Treasury 1215 22 1200 - 1265 1267	38'3 23'8 Exxon	1153 + 16 SLB4 — 7. 2576 + 16 SA 000 — 7. 5730 + 1 SL 10 — 8.
1073 863 Exch. 123ab; 92 97at -4 11.67 12.27 1073 863 Exch. 123ab; 92 97at -4 12.52 12.60	11 Esmark 11 Esmark 13-3 23-3 Econo 10-4 5520 Firestone Tire 13-3 7940 First Chicago 27-5 222 Fluor Corp. \$5 222 Fluor Corp. \$5 19 13-4 GATX 23-4 GATX 23-4 GATX 23-4 GGHERE \$1 23-4 GGHERE \$1 GHERE \$1 GH	5730 +1 \$110 — 8 8210 +7 \$1.10 — 6. 2570 \$1.50 — 2.
11013 8914 Treasury 1213pc 73322. 9958 - 12 12 62 12 64 6914 5454 Funding 6pc 1995 ± . 6534 - 14 9.45 11 20	32 19% Ford Motor \$2.	821p +7 \$1.10 - 6. 25% \$1.50 - 2. 1958 -4 \$4.00 - 9. 154 \$20 - 5.
65% 54% Funding 6pc 1995± 65% 4% 9.45 11.20 119% 98 7reason 133ac 1955± 109 4 12.92 12.75 121% 98% (Treason 14055 % 11.04 4 % 13.06 12.76	371 23 Gen. Elect.\$212	154 \$2.0 — 5. 242 +4 \$2.60 — 4. 113-31 +1 \$1.72 — 6.
Uver Fifteen Years	19 137 GATX	325 44 52.60 - 3.
109 8712 Exch. 12130c 1494 984am -1 12.63 12.64	551; 30% (Honeywell \$1.50. 13 790p (Hutton E.F 54 31½ (I.B.M. Corp. \$5	805p \$0.68 — 3. 325 +3 53.44 — 4.

3.51 13.41	931-	78/2	ireland 71 pc '81-83 Do 93 pc '91-96 . Japan 4oc '10 Ass Do 6pc '83-88	841 ₂ 854 250	<u></u> .	71 ₂	12:	57 57	1
357 272	390 2	230	Japan 4oc 10 Ass	250		-,	_]
12.72 13.25	73 169	65 125	Do 6pc '83-88	70 150		6	11 2	75	3
12.97	750	%	S.G.I. 6120c 1980	75p \$94i ₂		632	8	7	!
9.40	59412	59417	Turin 9pc 1991	1 3941 ₂		613	9.5	15	
9.40 9.93 2.88	97	95 95	Peru Ass. 30c S.G.I. 61 pc 1991 Turin 9pc 1991 Turin 61 pc 1984. Uruguay 31 pc	97		6i2	3.8		1
2 31 8.43 2.59 2 28		U.S	. S & DM praces	exclude in	w. \$	premiu	n		ľ
2.59	-							1	ŀ
2 28 2 38			AMER	RICAN	!5			- 1	ŀ
8.49 5.08		779		£	+ er	Siv. Gress		Y	3
246		Les						a ,	1
2.06 8.09 2.65	204 59	끘	ASA AMF 5% Com. 87 Abbott Labs.il Amax \$1	42	-12	\$1.00 5% 84c		3.8 16.7	4
8.09	214	145	Abbott Labs.il	161 at	- L ₃ + l ₈ + l ₈	84c	-	-	ŀ
5.50	25	17	Array \$1	1854	1.3	\$1.80 \$1.80	=	4.4 5.0	1
5.50 2.04 2.59 2.63	241	131	Arner, Medic. Int.	144	+18	60c	-		
2.03	景.	547p	Asarco Inc	9/5p 213	+2	50:	=	13	
2.66 2.71 2.78 5.89	124,	7250	Earnes Grp. 36-3.	845p	+20	\$0.66	-	13764	1
2.78	177	2660	Beth Steel \$8	1178	+14	\$1.60	\equiv	66	3
	15	597p	Brown'g Fer. c1623	644pm	+6	£0c	-	4.2	
2.35 9.65 8.94	38	2772	Surroughs Corp. \$5.	3212	+14	\$2.20	1111111111	31	3
8.94	41 3	湿	CBS \$2.50	252	+14	53.0	=	0.1	
	46 1	5	Caterpillary	, 26-pm	+12	\$2.10	-	31 461 565 45 45	l
2.64 2.69	176	163	Chesebrough \$1	1034		\$1.08	_	4.5	
1.07	6420	585n	Chrysler \$614	402p	-11	40c		4.5	١,
0.49	117	8180	City Inv. 51.25	857p	+14	51.0	_	5.2	ľ
1.07 2.73 0.49 1.15 9.02	18	操.	Colgate-P. \$1	78600	+2	51.08		6.2	3
0 08	2614	103	Colt Inds. \$1	2114	+12	\$2.50	-1	53	l,
0 68 2 59 1 45 2 63	20 4	124	Cent. Illinois \$10.	13%	7.8	\$5.54488436865884865859848586886486466488868868868686864664888868886886	_	155,665,445,477,850,000,546,600,000,000,000,000,000,000,000,000,0	ľ
2.63	25	1638	Crown Zell. \$5	1710	+10	55.18	=	5.5	1
0 57 2 67 2 67 2 260 2 264 1 275 2 76	1	11	Esmark	113	+12	SLB4	=	7.1	1
267	10.4	5520	Firestone Tire ((5730	+1	\$1.10		8.6	ŀ
2.60	137	794p	First Chicago	8270	+7	ST 10	-	6.0	į
1 20	32	饭	Ford Motor 52	195	-46	\$4.00	=	9.2	1
2.75	10 171-	퍍	GATX	241	+14	20		4.8	1
-19	2019	II.	Gillerte \$1	11320	+ 2	\$1.72	-	6.8	Ŀ
264	13	790	Honeywen \$1,50.	305p		50.68		3.8	1
2.64 1.85 2.62	54 377	끍	1.B.M. Corp. \$5	3258	+ -	돮샋		4.7	3
017	854p	5340	I. U. International)	5670	-5	08000 CON	=	1687.863.000000 157.66455647	i
913 233 263 1.97 2.93 2.64 910 2.66 2.35 1.89	141 ₂	73	Kaiser Al. \$13	8032 171	-10	장개		6.3	13
1.97	36-3	2278	Morgan (JP) US\$2.5	237		\$2.20	-	4.2	1
2.93	143	900s	Nortan Simon Inc. 31 Owens-18. \$3.125	703pm 981mm	+2	30,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 50,500 500	=	5.8	1
9.10	185	11	Qual er Oats US\$5	113		돩涨	-	4.7	ĵ
235	27	ir.	Rep. N.Y. Corp. \$5.	177		\$1.00		25	ŀ
1.89	144	805p	Reznord \$5	84504	-4	965	_	5.1	1
290	214	17%	Rockwell Int	1814		\$1,00 965 \$1,20 \$2,60		15555	
152 290 254 207 266	26	354p	Saul (B. F.) \$1 Shell Oil \$1	3780 1834	+1	\$2.0	=	4.9	
266	9290	6150	Singer (\$10)	626p	+ſ	SOc.	-	5.7	
2.63	27%	170	TRW Inc. \$14	17%	-49	\$2.00	=	51	
2.50	23	16	Tenneco	174	+ 2	86. 61.56 61.50 71.50 71.50 71.50	=1	45.73188 533555	1
253	929p	Aip	ASIA ASIA ASIA ASIA ASIA ASIA ASIA ASIA	697p	-10		111111111	-	
0.39	371	從	Texaco \$6.25	134 201	1	S2 16 S1 50		7.4 3.3 4.6	
2.63 2.75 2.75 2.75 2.75 2.75 2.75 2.75 2.75	130	8050	Tenneco	6976 1314 2014 9160	+25	27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16 27:16	=	46	1
200	2.700		1000, 1000, 3U35	176	4.00	34.61		3.9	

1115	ा या	Treasu:	7 127aac 102±	100	3e - 3a	12 65	1267	1 20 3	1 22.8	E CALL II	۔
COL	751-	Treasur	y 10pc 1993	851-	m - 14	11.67	12.27	104	224	Firestone Tire (I First Chicago	51
1073	843	Exch 1	21 ₄₀ c 92 v 1 1 ₂ pc 93±	97	4 - C	12.52	12.60 12.64	193	794p	First Chicago	82
7701	291	Tenacre	1 11-12-1314	- 1 60	21.5	177.67	1264	275	221	Fluor Corp. 55 Ford Motor 52 GATX	2
6914	CA.	English	60c 1995±	1 46		0.45	71 20	32	194	Ford Motor \$2	19
1101	25.7	Turknik	771-100	2 766	41.	2.72	12.75	10	13%	GATX	1
1477	70	Treasury	13 sc 195	71 7701	-1-7	9.45 12.92 13.00	17.72	3712			2
1514	1130.4	LEGISTR	A Tringer and			Tra mail	15.18	201	1111	Gillette \$1	11
•		0	ver Flits	on Ve	ars			201s 551s	102	Honeywell \$1.50.	57 82 2 19 11 2 11 3 30 3 56
				2511 16	a12			13	700	Hutton E.F.	90
709	8712	Exch. I	212pc 1994.	984	피(12.63 11.24	12.64		1 / 704	Ind: Wil E.F.	-
2814	72	Treasu	ry 90c 94tt	B1	7e — Le	133.24	11.85	54.		I.B.M. Corp. \$5	ו
1064	854	Treasur	y 12pc '95	96	- i i-	12.53	12.62	3734		Ingersoll-R \$2	-5
511a	42	Gas 300	90/95	49	الله الله	6 12	917	8540		I. U. International).	56
951	755.	Freb 1	O'apc 1995.	. 85	2-1-4	111 97	12.33	1412	826p	Kaiser Al. \$13	8 ₫
1064	921.	Telegraph	y 123pc '95#	703	\$ - \$	17266	12.63	240	163	Mani. Han. US\$7.50	, 1
855	684	Tenana	901 92190		-14	11.43		3613	2270	Morgan (JP) US\$2.5	2
	1073	Treasur	751 104	116	3-5	13 19	12.93	127	6796	Morton Simon Inc. 51	703
1244	1170.3	Treasur	y 15 upc %	147	31~3	122	12.73	143	900	Owens-III. \$3.125	703 981
1164	1 7 7 7 8	1000			78 - S	12.73	1264	185-	11	Quarer Oats US\$5	77
501 ₃	914	Kedempi	ion 3pc 1986-9	48	وادارة	6.31	9.10	28	100	Reliance \$0.25	201
1155	924	Treasur	v 134pc 47‡	104	٠ - او	12.73	12.66				44.
955 835	755g	Evchequ	y 131 ₄ pc 97‡ ier 101 ₂ pc 14	77(36 ¹ e	d[-4]	12.09 11.38	12.35	27		Rep. N.Y. Corp. \$5.	22 845
835	66	Treasur	y 83 pc 19971	±.] 764e	71 -14	111.38	11.89	144	355P	Rexnord \$5	940
68	1.56	Treasure	6 isc 95-99	t I 65	-14	70.66	11.52	15	1018	RichdsnMrrfl.\$14	1
1285 1085	1013	Treas	151 pc '98#	`` 12 <u>3</u>		13 12	12.90	2114	174	Rockwell Int.	37
TORS	861.	Frek 1	2pc 1998	" 98	21_4	12 50	12.54	528p	3540	Saul (B. F.) \$1,	37
870	77	Transition A	1000			17.75	12.07	26	1814	Shell Oil \$1	52 21
1064	dis	1116670	y 91 ₅ pc 1999) 21 _e pc 1999	100		12.62	1266	9290	6150	Singer (\$10)	6.7
7004	1337	E. 221	2 VOD 4 (CAD-	700	3173	12.62	12.63	364	203	Sperry Rand \$0.50.	21
45%	27/4	ES. 15.2	oc '99 A (£40o	91 75		15.22	15.03	277.	171	TRW Inc. 514	-
977			y 101 ₃ pc 1999		[2] — [4	12.15	162	27	16	Теппесо	1
107	241	Esch. 1	2pc '99-02 .			12 47	12.34 12.30 12.70 12.53	152		Pa 166 La Cui OT CE	1 12 69
118	79	Treas. 1	34x 2000-0	3. 107 %	뻐(~~)	12.77	12 70	172	150	Do. 10 a La St. 9-95	14
9714	904	Treasur	y 11130c 101-0	M.I. 4841	-1	12.80	12.53	929p	224	Tesaro PL USSO.16-3 -	1 63
4212	3212	Fundax	31-oc 99-0	4 39	الها—أوا	8.95	10.39	191,	124	Texaco \$6.25	1 1
4212	681	Treasur	31-pc 99-0 y 121-pc 03-0			12.54	12.52	321	101	Time Inc.	91
75	1 62	Treasur	8ac 02-06#	t 71	21_2	11.54	11.78	139	805p	Transamerica \$1.	91
14%	131	Ter 133.0	y 8ac 102-06d c 103-07 £15cm 51-pc 178-12d	7 7 T	: -\i	12.42	1244	297	17	Utd. Tech. 5US5 .	1 1
54	ATL	Tanana	51-pc (18-12±	- I	4-1	11.20	11 50	194	998b	U.S. Steel \$1	į
-536	27.5	11.48268	74 12 15	:')	11	31 63	1177	17%		Waolworths \$312.	
735 2097	12.4	reason	1400 15 134	÷- ஜ	-1-	12.22	12.29	441	271	Xerox Carp. 51	
7044	11 92-4	JEKCH. 1	2pc 73-17	3A	누니	11.61 12.29	15.53		771	Zapata Corp. 25c.	975
			11-4	-4-4							
	_	_	Und	ated				S.	E, Lis	it Premium 8% ()	used (
36	I 281:	Consols	4pc	_i 331 <u>~</u>	ᆲᆜᅩᇻ	[12.03]	_	ı		Conversion facts	ur 0.92
355	1 28	War Lo	an 31 roc±±	33	اما – الما	10.55	_ '	1			
391	331-	Com 3	last of Air	. 1 38	<u> </u>	0.35	_	ı			
27	351.	Teneral	Too be Ale	76	التركيان	11 24	= '	1		CANA	DIA
227	167	Carmaia	4pc	" 58	-1_3	70.05	1 = .				
237	1 4 2 2 2	Ton Born	і 6°20-бы арадыі 0-20-же	··· 53	. 1275	11 05		167	9630	Bk. Montreal \$2 Bk. Nova Scot! Bell Canada \$81	70:
2	10-2	I Legazini	A 5.55g	(ય	4 1-73	TT'42	I —	150	942p	Bk. Nova Scot	96
					_			13:	830a	Rell Canada SRI.	27

06tt. 713-4 11.59 11.78 52te. 132-3 12.42 12.44 12tt. 514-4 11.20 11.50 15tt. 667 -4 11.61 11.71 17 994 -4 12.29 12.29	276 17 Und Tech. \$USS. 18 +1 \$2.20 - 5. 196 988 U.S. Steel \$1 116 +3 \$1.60 - 6. 173 1076 Wastworks \$332 12m -1 \$1.60 - 6. 407 273 Xeror Carp. \$1 20 +1 \$2.40 - 2. 116 775p Zapata Carp. 25c. 975and +20 30c - 1
ndated 33% -12 12.03 -1 33% -12 10.03 -1 34% -12 10.03 -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34% -1 34%	S.E. List Premium 8% (based on US\$2.2600 per £) Conversion factor 0.9261 (0.9109)
Aft 2614 -13 11.86 - 23 -15 10.95 - 2134 -15 11.95 -	CANADIANS 1474 9630 Bit. Montreal \$2 101 pt 51.36 82. 129 9420 Bit. Mons Scot 9690 51.24 5. 131 8300 Bell Canada \$81 8700 +10 \$1.52 8. 1294 105 Bow Valleyii 114 +12 1000 0.
FIONAL BANK 2 84 5.95 11.31	12% 525p Brascanii 880 p -10 451.0 4 ,
TION LOANS	DISCIES PRINCE SID. (28.11) SID. (4.10) S
2 9812 - 4 12.69 13.10 13 9814 12.72 13.06	381 271 Hud. 8.011 G \$212 290 \$2.0 — 2.1 134 imperial Oli 144 -4 \$1.00 — 2.1 152 B \$400 inco
0-84 551 ₄ 12.93 12.73 27 13.28 +82 851 ₄ -1 ₄ 7.62 12.58 15.51 10.54 12.13	8000 5300 Massey Ferg. 5750 +10 - - -
34 50 -4 6.87 10.75 7 781 ₂ -5 787 11.39 0 788 77.71	20 16 16 16 16 16 16 16 1
24 12 93 80 95 5.53 13.45 78-80 9534 9.66 13.32 1430 9834 12.66 13.40	S.E. List Premium 8% (based on \$2,639) per E) BANKS AND HIRE PURCHASE

Stock

707 BI 31.4	Janes 4424 75-5 to 2-20 "	10-4 I-3	12.00		
COMM	ONWEALTH &	AFRICA	N LO	ANS	ì
87 8114 9814 9214 8414 7412	Aust. 51-pc 777-80 Do. 51-pc 61-82 N.Z. 6pc 76-80 Do. 71-pc 83-86 Sth. Alnua 91-pc 79-81 Sth. Rhod. 21-pc 165-70 Do. 6pc 78-81	97.4 36	10.38	12.30 12.30 12.62 12.94 13.89	2214414111
•	LOAN	IS		ı	'n
	Public Board	and ind.		- {	17
92 56 75 30½ 24½ 129 113 95 87	Agric. Mt. 5pc '59-89 Algan 101-pc '89-94	64 ¹ 2 84 29		11.00 13.40 12.67 13.60	35.055
	Financ	ial		- 1	ż
1084 984 8612 7712 7712 7712 99 8412 10112 34 7722 57 8712 6412 7782 6412	FFI 13pc 1481 Po. 14pc 79 Po. 14pc 79 ICFC 51-pc Deb '80-62' Do. 64-pc Db. 51-84 . Do. 101-pc Urs.Ln. '88 Do. 11pc Urs.Ln. '88	993 -12 1021 -13 1021 -14 843 -14 78 913 -12 66 -12 76 -12	14.24 13.66 6.67 8.17 11.57 11.93 12.45 11.24 11.49 12.09	13.21 12.20 12.40 12.60 12.40 12.70 12.70	110 4 67 1 28 6 27

INTERNAT 85 | 80 | 15pc Stock '77-82 **CORPORA**

	1051	£73	Algemene FI.100	£74	-11,	.05%	21	53	5.
•		310	Allen Harvey El	360	l+5 ~	21.44	_	8.5	
7			Alfred Irish	106		hC6.09	_	7.6	
		740	Arbushnot L. £1	160	-3	10 42		93	=
		310	Bi . Ireland £1	310		925.0	_	7.6	_
	£195	5141	Do. 10pc Conv	(141		010%	_	17.3	_
-	14		Bk. Leumi IE1.	7		Qle"	-	17.3 5.8	_
- 1			B. Leumi (UK) [].	150m		48.57	_	8.2	-
	234		84. N.S W. \$41	145	l	1013.	25	4.7	6.
ı	352		Bank Scotland £1	283	II. I	12.25	5.0	6.2	4.
1		£1914	Bankers N.Y.S10	€20%	+14	053.CC	_	p.5	_
	514	360	Barclays £1	422	+4	4165	62	5.7	3.5
	270	230	Brown Shipley £1.	238	1 .	10.31	_	6.5	_
1	375	270	Carer Ryder 1.	353	+3	18,68	_	7,6	_
	120	75	Clive Dis'nt 20p	100	i.,	5.33	_	7.6	_
1	224	1.77	Com (Aus. (\$41)	130	-3	1016c	29		5.4
8	1774	9.30	Com : N. DN: 508	970	∸20 .		_	7.0	_
1	(181)	£1012	C'ton.HbtK: 100			012	_	10.8	_
u	41		Corinthian 10p.	33 "	+2	1 05	5.9	4.5	3.8
	. 241		Cred France F75	£16		50 BL-"	-	4.0	-
)	16		Dawer (G. P.)	12	l i		_		_
)			Destroy Bark DMFC	Cáal -	+21		-	3.5	-
)	90	63	F C. Finance	63	. 7	2.2	49	5.0	5.1
,	84		First Nat. 100	21,		- 1	- 1	i — i	0.
3	.4	. 2	Do Wms. 75-83	214	١. ا	! — I	-1	-1	_
)	16%	12	Frager Ars. 10p	12	j~ <u>'</u> • j	-==	-	-1	_
)	266		Gerrard Hatni	254	+2	9.12	-	51	_
)	62	19	Sibbs (A.)	48	-1	2.2	-	6.5	_
,	270	217	Gillett Bros. £1.	228章	-2	116.95	-	10.6	_

FINANCIAL TIMES PUBLISHED IN LONDON & FRANKFURT

Head Office: The Financial Times Limited, Bracken House, 10 Cannon Street, London EC4P 4BY Telex: Editorial 586341-2, 883897. Advertisements: 885033. Telegrams: Finantimo, London.

Telephone: 01-248 2000.

Frankfurt Office: The Financial Times (Europe) Ltd., Frankenallee 66-72, 6000 Frankfurt-am-Main 1.

Telex: Editorial 416052. Commercial 416193. Telephone: Editorial 7598 234. Commercial 7598 1. INTERNATIONAL AND BRITISH OFFICES

EDITORIAL OFFICES	
Amsterdam: P.O. Box L1296, Amsterdam-C, Telex 16527 Tel; 276 796	
Birmingham: George House, George Road. Telex 338650 Tel: 021-454 0922	
Born: Presshaus 11/104 Heussallee 2-10, Telex 8869542 Tcl: 210039	
Brussels: 39 Rue Ducale. Tolex 23283 Tel: 512-9037	
Cairo: P.O. Bor 2040. Tel: 958510	
Dubling C Chandilland Course	

166 420570
Dublin: 8 Fluxvilliam Square.
Telex 5414 Tel: 785521
Edinburgh: 37 George Street.
Telex. 72484 Tel: 021-226 4120
Johannesburg: F.O. Box 2128 Telex 8-6257 Tel: 838-7545
Lisbon: Praca de Alegria 58-10, Lisbon 3 Telex 12533 Tel. 362 508

Madrid: Espronceda 32, Madrid 3. Tel: 441 6772	
ADVERTISEMENT OFFICES Birmingham: George House, George Road, Telex 336650 Tol: 021-454 0922	

New York: 75 Rockefeller Plaza, N.Y. 10019. Telev 66390 Tel: (212) 541 -425
Paris: 36 Rue du Sentier, 75002. Telex 220044 Tel. 236.57.43
Rio de Janeiro: Avenida Pres. Vargas 418-10. Tel. 253 4848
Rome: Via della Mercede 55, Telex 610032 Tel: 678 3314
Stockholm: c/o Svenska Dagbladet, Raalambsvágen 7, Telev 17603 Tel: 50 60 88
Tehran: P.O. Sox 11-1679. Telex 213930 Tel: 682698
Tokyo: Gih Floor, Nihon Keszai Shimbun Buliding, 1-9-5 Ozemaczu, Chivoda-ku. Telex J 27104 Tel: 241 2920
Washington: 2nd Floor, 1325 E. Street, N.W., Washington D.C. 20004 Telex 440340 Tel: (202) 47 8676
Manchester: Queen's House, Queen Street,

Manchestor: Queen's House, Queen Street.
Teler 666813 Tel: 061-534 9381
Moscow: Kulticarsky 14, Apa-timent 1, Moscow.
Telev 7900 Tel: 243 1635

ADVERTISEMENT OFFICES	Manchester: Queen's House, Queen Street, Telex 666813 Tel: Qb1-834 9361							
Birmingham: George House, George Road,	New York: 75 Rocketeller Plaza, N.Y. 10019							
Telex 338650 Tel: 021-454 0922	Teles 238409 Tel: (212) 489 8300							
Edinburgh: 37 George Street.	Paris: 36 Rue du Sentier, 75002,							
Teles: 72484 Tel: 031-226 4139	Telen 220044 Tel. 236.86.01							
Leeds: Permanent House, The Headrow, Tel: 0532 454969	Teryo: kasahara Suiding, 1-6-19 Uchikanda,							

Overseas advertisement representatives in nerica, Africa, the Middle East, Asia and For further details, please contact: Overseas Advertisement Department

SUBSCRIPTIONS Copies obtainable

For Strare Index and Business News Summary in London, Birmingham, Liverpool and Manchester, Tel: 246 8026

	FI	1		S	I	A		æ	-	N	F	'(
RO	NDS	<u>.</u>	RAI	LS	}	-	BA	NKS &	HP-	_C	ontir)L
			Civ. %			19 High	79	1	Price			
Rly		+212	-	=		-	19 101	Goode D't Mry.5p Grindlays	101	-5	0.25 †3.07 H5.67	7.
i 1892	35 45 98 25 24		Ξ	13.	10	12Z	1 /8	Guinness Peat Hambros Hiji Samuel	91 296 99	+2	10.92 5.32	=
Boxer 41 ₅ 00.	77		42	-	35	725	118	Hong Shing.\$2.50 Lessel Toynbee	弱	-62	053.3c 3.65	Ξ
A.S ASS	460 38 · 37 24 52		312	8.	39 88	185 79 77			64		9.5 1.34 3.78	=
1-83 11-83	841,		71 ₂	13.	05 67	77 164 360 51	58 90 372 272	Keyser Uilmann Keyser Uilmann King & Shax 20p Kleinwort B.L. Lloyds £] Manson Fin, 20p	68: 124 282: 51	+2 +1	4.6 +10.15 3.5	7.
-96 . 0 Ass 88	85 ³ 4 250 70	-14 	93 ₄	12		188 455 £971 ₂	42 1134 175	Manson Fin, 20p. Mercury Secs Midland 51 Do. 71-% 83-93	164mi	-1 +6 +1	6.0	-
1980	150 75p \$941 ₂		63 ₂	9.	67 53	63	50 50	Minster Assets	50	-7	116.44 071/% 0104% 3.9	28. 1. 2.
764.	DMAT		6і ₂ 3і ₂ ргеліці	3.	45 80	214 109 406	78	Nat. Bk. Aust. SA1. Nat. Com. Grp Nat. West. £1	127 81 317m	+1	1015 1294 11283	7.
	RICAN					550 550 260	360 200 200	Ottoman Bask C20 Schroders £1 Seccombe MC £1 Sec. Pacific Corp.	£42 490 230		031% 12.90 14.9	=
157			Div. Gross	Ca	Y14 6/3	108	78	Smith St. Aub	100	-2	051.8 5.55 N25.0	33
v.*87	117.	-12		-	3.8	\$11,12	\$104	Trade Dev. \$1.50	511 740ml		17.66	3.
il	1 766.	-L ₃ +- ¹ 8 +- ¹ 8	\$4c \$1.80	1-	4.4	521% 101	372	Wintrust 20p	82	-6	\$1.72 29.	-
. Int.	184 164 144 9750	+2	50: 51:09	111111111	0.0 4.6 1.3	i		HIPE PL	rchas		62.1	1
n Si 562; 555 8 162;	213 845p 17% 11 644pml	+20	\$3.60 \$3.00 \$1.60	Ξ	3.5 7.6 6.6 4.2	521 8 145	£43 8 96	Cattle's (Hdys) 10p Cre B'cre Fr.100. Credit Data 10p Lloyos & Scot 20p.	110		01276	54
162 ₃ 1011 - 10.55.	644pml 632pmi	+6 -11	4.00-	=	ì	58 161,	27 11 83	Lnd.Scet.Fin.10p Mourgate Merc.10p Prov. Financial.	56 12	+1.	1:143 0.5 5.44	4 622
	632pm 632pm 321, 251, 251, 261,m	+14 +18 +18	\$2.20 \$2.60 \$3.0 \$2.10	=	31 4.6 0.1 3.6 5.6 4.5	8 145 58 161 ₂ 119 29 171 ₂ 55	63 10 37	Strig. Credit 10o. Sturia Hidgs. 10p Wagon Finance	24 101		110.96 2.30	2
125. \$1	191 ₅ m 10 ³ 4 4020		\$2.40 \$1.08 40c	11111	4.5	BE	ER	S, WINE	S A) Si	
5 E 51.	1034	14	51.30 51.0 52.0	=	5.4 5.2 6.8	240	157	Allied Brews Amai, Drs. Pr. 10p. Bass	223	+1	t6.1	13
	786pm 211s 181s	+12	\$1.08 \$2.50 \$1.7	Ξ	6.2 5.3 4.2	198 58 115	160	Bell Arthur 50p Bellaven Brewery Boddingtons	160 42 100	+1 -2 -1	H3.52 Z0.42 2.91	35 12
\$10. 5 0.50.	13%		\$1.44 \$2.10 \$2.58	Ξ	4.9 5.5	95 178	115	Border Brew's Brown (Matthew) Buckley's Brew	76 144 48		3.91 14.38 1.97	21222
e ((_	5736	+1 ₆ +1 +7	51.44 52.58 51.84 51.10 51.50 51.50 51.50 51.50 51.50		7.1 7.0 8.6 6.0	183 216 83	140	Buimer(H.P.) Burtonwood City Lon. Def	215 63	+1	7.66 3.89 12.79 15.79	61
3-	8216 2576 1978	-4	\$1.00 \$1.50 \$4.00	Ξ	5629	83 174 259 45	176 57 130 198 22 50 120	Clark (Matthew). Distillers 5Gp Gordon (L.) 10p Gordon Bros. 20p.	233	+2	1.0	32
g	195.5 154 244 113.00	+	\$2.60 \$1.72 \$2.60	Ξ	6.8	362	14115	Greene King	129 157 350	+1	1147	533
\$5	113 m 325 805p 325 241 ₂		52.60 59.68 53.44 53.16	Ξ	3.8 1.7	213	154 741 ₂ 157	Gulaness Highl'd Dist. 20p . Inversordon	174	+1	9.45 +7.84 H2.1 2.45	3
onalii.	242 5679 8639 1714	+1, +1, -5, -10	\$3.16 95c \$1.20	Ξ	5.8 7.6 6.3 6.0	1121 ₂ 480	73 410	irish Distillers Macalian, Glen . Massim Thomas	73×	- <u>1</u>	#0325 15.14 2.5	42 92
57.50 \$\$2.5	23% 703os	-10	\$2.20 92c	Ξ	5.9 5.8 4.7	123 90 77 190	57 55	Sandeman Scott & New 20o.	83 83	-2	111.8 2.54 3.98	3.
125 255 25 25 25	781mm	+2	51.88 51.88	Ξ	_	190 181 148		Vaux	163	+1 +2	3.38 td5.03 4.8	233
. \$5 . 514	17% 8450si 10%	-4	\$1,00 %c \$1,20	1111	25 5.1 5.0 6.5	320 165	721 162	Wolv. Dudley Young Brew 'A' 30p.			15.56 3.52	4
i	184	+1	52.60	Ξ	_		В	UILDING	3 IN	DL	JSTI	۲,
0.50 .	3780 1834 625p 211-181 174 174 128	+1	\$2.0 \$1.56 \$2.00 \$2.70 \$2.70		4.9 5.7 3.3 5.1 5.8	93		IMBER			ROA	D:
7.95 16)	174 128 697 134		10%	Ξ	17.8	192	112 20	Aberdeen Const Aberdiraw Com. Affled Plant 10p Armitage Simks	301			PNWM
\$1. IS5.	201.	- 19 +25	\$2.16 \$1.50 \$1.00	Ξ	7.4 3.3 4.6	38½ 89 52 344 50	112 20 71 40 232 332 14 57 2612	Ampliffe 10p BPB inds. 50p Saggeridge 8rk	46 300 40 14	+2	60.85 12.55 12.61 12.61	4471
312	125	装	52.20 51.60	=	5.5 6.5	50 17 134	142	Sailey Ben 10p. Barrait Dev. 10p.	14		100.6 18.14 2.07	2
25c.	20 975pmi mased on	+20	300	=	12	90 30	2672	Selfway Beniox 200	1 26 2 25		203	, –
facto	r 0.9261	(0.91	091			55 63 80	46 65 244	Benford M. 10p Bett Bros. 20p. Blockleys 20p. Blue Circle E1	116 331 ₂ 80 26 48 72 268 94 120 25	-1 +1	101.9	SAMPLE ST
\$2 i	DIAN See		\$1.36]	- !	82.0	356 102 140	105 105	Blundeli Perm., Breedon Lime	120 120 120	+1 +2 -1 +2	10.43 13.22 5.46	142
81 ₁ .	9695 8705 113	+10 +10 -10	\$1.36 \$1.24 \$1.52 h10c	=	5.4 8.2 0.4 4.7	36 300 801 ₂	- 23 - 44 - 58 - 46	Briz, Dredging Brown Jiss. 20p Brownlee	250 260 52 490 170	<u></u>	10.9 4.0	10
52 5	870p 111, 880p 111, 13,2	-10 + :	\$1.50 \$1.50 \$1.50	1 1	6.1	70 490 186	45 145 145	Bryant Hidgs Burnett & H Burt Boulton £1	490 170	+25 +5 -1	12.52 15.54 17.0	1 4
€100	3212 23128 510p	+10	\$1.40 60c	Ξ	5.1 12.3 5.0	47,5%	3233	C. Robey 'A' 10p. Cal'nder (GM) 10p Carr (John)	25	Į	1.82 01.32 140.05	727
 	17d 165zi 291	+1,	\$2.29 \$1.10 \$2.0	Ξ	3.7	971.11	73 30	Carron Coment Rosistone Comben Go. 10p.,	1 75	-1 +1	3.97 14.62 N2.4	332
	143,	-15	\$1.00 40c 90c		29	226 172 33	144 102 45	Costain Group Do. Defd Countryside 5p . Crouch (D.) 20o	102	l::::	140.0	9 120
51 	5300 5750 1250	+10		Ξ		185 88 88	107 62 65	Crouch Group, Douglas Robt, M.,	69 68	-3 -1	16.46	2
52. 51.	1250 1250 1111 171: 141: 10 880:	+4	228	Ξ	5575	냺	120	D'umng G.H. 50p Erith F.P.A. Const'n.,	192		6.14	44
pe [cOSS no beast	-10 526	\$1.76 391 pe	- E)	5.6	17:89 37:55: 85:37:55:	50 75 25	Fairclough Cons. Feb. Intl. 10p Do. 'A' 10p Fed. Land & Bid		+1	3.5 61.95 61.95 2.75	STORE
Н	IRĖ I	PUI	RCH	AS	SE	2712	55 29 17	Firezal (John) 10p	l 63	-1	=	:
1,	rice + ur	Who.	Cw	YTIA Ersj	P/E	42 791, 259	641.2 16	Galliford Br. 5p Galliford Br. 5p Gibbs D'dy A 10p.	6412	-1	1.92 3.42 h1.0	3
(1) 2 (0) 2	90 30xd 74 60 +5 06 +1 60 -3 10	10.0 10.0 1075°	3.2 3.2 3.21	4.3 9.9 5.3 8.5	7.3 5.7	39 82 93	캺	Glossop W. & J. Glossop W. & J. G'gh Cooper 20p.	32 32 291,2		1205 1.2 155 0	1
00 20 3 bill 30 11 12 12 12 12 12 12 12 12 12 12 12 12	60 +5°	21.4 006.0		8.5	11.	82 93 35 146	胃	H.A.T. Grp. 10p (Helical Bar Hend'st, 'A' 10p.,	291 ₂ 23 122	+12 -1	1.71 4.82	4
i 3		025.0 010 016		197638477457	Ē	146 92 80 99 97 25 162	44 70 58	Hewden St. 10p Heywood Wins Higgs & Hill	122 52 76 68		50.67 3.46 3.85	624
	50xd 45 83	98.5 12.25 053.0	2.5 5.0	12	- 63 43	99	75 65 17	Hoveringham Do. Res. Vtg Howard Shut 10p	80 79	+1 +1 ₂	数 前0	A GET SIN
ie	20/4 +4	12.25 053.0	C 5.0	955	4.5 3.5	162	境	I.D.C. 20p	128	-1	#10.0 #3.43	23

48 20 55	96 221 162	Whithread 'A' Wolv. Dudley Young Brew 'A' 30p.	132 280 185	+2	4.8 15.56 3.52	33	5.2 3.3 2.7	6.9 12.8 8.8	125 25 15 15 15 15 15 15 15 15 15 15 15 15 15	172 203 203
	В	UILDING	1 N	ΙDΙ	JST	RY.			ากก	29
	7	TIMBER	ANI		ROA				200	꺯
93 92 385	89 112 20	Aberdeen Const Abertitism Com. Affled Plant 10p	301	<u> </u>	7.54 60.85	3.7 2.2 4.1	9.2 8.8 4.0	51 47 (71)	82 255 60 76 80 80 80 80 80 80 80 80 80 80 80 80 80	149 28 251
38) ₂ 89 52 44	40	Armiage Shiks	78 45	+1 ₂	60.85 45.2.55 13.2.61	갩	7.9	(71) 5.9 4.0 5.3 10.2 13.1	28 68	251 ₂ 171 ₂ 49 109
50 17	331 ₂ 14 57	BPS Inds. 50p Saggeridge 8rk Sailey Ben 10p. Barratt Dev. 10p.	300 40 14 116		12.61 100.6 18.14	311003	6.1	10.2 13.1	204 190 58 46	II 76
36 90	1533	Beechwood 10p			2.07 46.5	3.9 2.70	3.8	(5.0) 3.6	26 46 178	55995
50 17 34 36 90 55 56 80	23 40 46	Beniox 20p Beniord M. 10p Bett Bros. 20p	48 72	-i	2.03 101.9	3.4	6.7 5.7	62 7.6	178 3112 134 276 258	191 ₂ 212
80 56 02 40	65 244 82	Eleckleys 20p Elue Circle El Blundell Perm	72 268 94 120	+1+2	4 26 10.43 13.22	34 26 31 44 20	5.6	6.6 7.8 6.6	258 54 201	165 18 125
40 36 00	195	Breedon Lime Briz. Dredging Brown Jiss. 200	-22	+2 -7"	5.46 h0.9	2.0 10.9	6.7	10.7	178 2471 ₂	끯
eun,	58 45 215	Browniee Bryant Hides Burnett & H	50 52 490	+25	4.0 12.52 16.54	11 112	9.5 6.9	184 6.7 11.7 4.7	190	1327 97 80
70 90 86 46 29 65 92	145	Burt Boulton £1 C. Robey 'A' 10p. Cal'nder (GM) 10p		+5 -1	67.0 1.82 61.32	9 23 7.0	6.0 7.9	4.7	163 20 78 65 13	167 14 153 7,72 172 173 173 173 173 173 173 173 173 173 173
65 92	2013-01-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20-14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 14-20 1	Carr (John)	5	-1 +1	HQ.05	7.0 2.4 3.1	27 7.2	6.4 (6.3) 6.4	154	72
1137 122 222 223 223 223 224 225 225 225 225 225 225 225 225 225	73 30 144	Coment Rosistone Comben Gp. 1Cp., Costain Group	74	+1	14.62 N2.4 U6.0	3.1 2.0 6.2	9.8 5.7	(6.3) (6.7) (6.7)	134 141 113	91 81 ₂ 95
	! 45	Do. Defd Countryside 5p . Crouch (D.) 20p	150 102 72 167		-2.0	1 = 1			142	831 ₂
85 88 88	107 62 65	Crosch Gross Douglas Pobt. M D'eming G.H. 50p	69	-3 -1	64.4 12.98 110 46	43	63 73	(8.2) 12.7 (9.2) 4.0	101 37 22	42 59 27 17 18
34 22 174	120	F.P.A. Const'n	192		6.14	ş	8.6	\$	꿃	149
89 38 37 85	697 25	Fairclough Cons Feb. Intl. 10p Do. 'A' 10p	70	+1	3.5 d1.95 d1.95	2.7 2.5 2.5 1.6	7.1	4.9	251 ₂ 205	101 ₂ 108
85 77 271 ₂	55 29 17	Fed. Land & Bid., Firsten (John) 10p Francis Plot. 10p.	63 77 24	-1	273	1.6	6.2	14.1 9 8 6	85 24	20 17
42 791.	29	French Kier Galliford Br. 50	79		1.92 3.42	3.9 3.7 4.0	7.6	30	A 52 20 20 20 20 20 20 20 20 20 20 20 20 20	108 59 20 17 30 59 81 36
分 第 第	16317255	Gibbs D'dy A 10p. Glesson (M.L.) 10p. Glossop W. & J.			h1.0 †2.05 4.2	녆	7.5 7.1 9.2 10.3	5.0 8.8	52 145 140 122	114 110
93 35 32	簽	G'gh Cooper 20p . H.A.T. Grp. 10p (ffelical Bar	XEE SE TOUR	-1 +1 ₂ -1	iñ.	0.5 ÷	8,6	(Z)	监	94 60
46 65	23 SE M TO	Hend'st, 'A' 10p., Hewden St. 10p. Herwood Wire.	72		4.82 h0.87 3.46	4.8 6.5 2.9	5645	5.1 6.5 (5.9) 2.9	152 40 28 132 87	119 94 115 125 1412 83 64
25° 239 239 239 239 235 246 250 267 267 267 267 267 267 267 267 267 267	70 58 75 65 17	Henden St. 10p Hewden St. 10p Hewden St. 10p Heywood Wins Higgs & Hill Hoveringham Dn. Res. Vto.	68 80	+ï	3.85 2.32 2.32		41	29	87	62
25 62	1 17	Do. Res. Vtg Howard Shut 10p I.D.C. 20p Ibstock Johnsen	20 128	-1 -1	#100	2.4 2.4	7.1 11.2	8.6 5.4	744	152
ng 144 68 60	126 76 107 51	ing Tumber	112	- <u>2</u>	13.43 FB.39 1.47	23 7.2	412 712 112 190 190 137	5.4 5.8 5.7 5.0	244 184 155 166	64 33 103
60 79 16	51 120 13 13 13 13 13 13 13 13 13 13 13 13 13	METERS I July 1	55 120 38 141 25 54 165 74 88 48		#10.9 #029:	=	15,1	10	25	113
16 4512 72 72 88	(2) 54 135	Jennings \$40.50. Jones Edwd. 1Cp. Lateng S. & Floo. Lateng (John) *A" Latham (J.) £1. Lawrence (W.) Leviand Paint. Libley F. J. C. London Brick. Lovell (Y. J.) Magnet & Sthor. Mallingon-Demy Mallingon-Demy	54 165		030.]*• 68.7	ķı	91855	3.4	143 136 311,	103 641 ₂ 59 24
58 10 80	72 80	Lawrence (W.). Leath (Wm.) 20p Leadand Paunt	74 88 48	-1	6.64	14	11.3 19.8	98.8	75 127	112
80 79	43 69 59	Lilley F J.C London Brick.	88 48 82 59 116]-1 [12.53 2.79	38	88	6.4	100 32 67	84 25 88 55 11
18 17 741:	115 130 451 ₂ 99	Magnet & Sthr: Mailinson-Demy Manders (Hids)	203	-7 ·	4,35 8 6 3,11 3,31	47.6817.600.6	62	8.4 4.2	43 20 19	35 11 12
85 31 02	94 70	84 suchand	143 94 80	_:	5.0 2.78	3.9	7.6 5.0	8 0 4 9 4 4 9 4 3 9 4 3 9 4 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	168 445 407	12 1364 ₂ 310
67 90 18	68 15	Marley. Marshall: (Hir) Marshall: (Hir) Mears Brot. M D.W. Meye (Mon. L.) Milbur Millor (Stan) 10p Macconcrete Mod. Engineers Mod. Engineers Mod. (A)	166 72 15#	+2	5.0 2.78 7.5 3.85 ±1.78	92 0.4 2.9	7.6	(L)	29:55 20:55	268 12 13 12 12 12 12 12 12 12 12 12 12 12 12 12
51 08 76 17	81 52	M D.W Meyer (Morn. L.) Milbury	48 894 52		5.75	2.9 93.1	9.3 9.2 11.4	5.3 3.9	41 53 34 14	SENSE!
81	13 62 365	Milbury Miller (Stan) 10p Mixconcrete Mod. Engineers Monk (A)	14 64 40	_2	812 357 8251 8351 8351 8351 8351 8351 8351 8351 83	20	11.4 12.2 8.0 9.0	78	144 696 475 28	
78 30	43 89 152	Mont (A) Mowlem (J) Newarthill £1 Norwest Holst	89	+1 -2	3.51 7.26 5.32	3.9 2.9	11.4 11.7 4.4	3.2	28 225 370	150
50 50 50 50 50 50 50 50 50 50 50 50 50 5		Norwe;t Holst Noti, Brick 50p Parl er Timber Phoenix Timber	172 112 345 178	-2	5.04 +12.9 6.08	4700	53	2.3	228	156 320
68 70 20 20	1X1215121	Phoenix Timber Pochins	123 147 124 174	-		24	5.0	7866 5.3 4.4 7.3	430 95 98 456 84	76 66 311
20	158	IK CHO: WALL LOOK	69	-1 -2 -1	65.15 67 655 5.04	338 229	140 01	E 5 / E	84 108	46 93 141
13 00 28	1 75	Roberts Adlard Roban Group Rowlinson 100	118 85 43		4.82 13.75 60 6	1.8	58 63 20	73 (3.7) 2.6 12.4 5.5	245 102 84 280 2304	53 56 200
54 53 84	1 64	Rowlinson 10pg Poyce Group 5b Ruberold Rucky P. Cemen.	501 ₂ 43 64 233.	-1	N2 5 2.48 3.96	0.7 7 1 1 2 1 2 1	712889	55 75 7.6 8.0	303	200.8
50 53	LILE	Cr. in Francis	722		16.3 11.39 3.13 H2.23	3.41	3.9 4.8	8.0 5.5 8.1	99 245 56 £116	266 280 276 186
76 16 17: 37	38 8 28	Sharce S. Fisher Sheffletin Brick. Smart (J.) 10c. Southern Con. 5g Stroeters 10p Tarmac 50c	44	:	H2 23	29	7.7	7.4	102	
07	154 345	Tarmac 50e Taylor Woodrow		+6	10 95 +8 49		9.4 3.5 10.5 3.0	6.3 7.5	927 105	550% 513 87 85
100 33 29 42 6112	1270	Taylor Woodrow Tilbury Cilc £1 Travis & Arnold Turnicl B 50p	304 204 270	-2	22.38 #4.26 12.5 F4.73	73	3.0 6.6	6.3 7.5 5.5 6.5	119	101
611. 36 50	LAN	Vects Store 100 Vibroplant	66 28			1.7 3.2 2.0 3.3 1.2	10.2 4.2 7.0	(7.1) 10.6	495 114	76 337 85
SS 1	35 45	Ward Hirtys 10p.	218 45 51		10.69 62.95 333	33 12	93	3.5 12.0	315 645	280 400 191
'n.	117 63 80 27	Watts Blake Westbrick Prod Wettern Bros	171 71 114 27	+1	339 521 521 201 201	364 177 60	6.5 6.5	6.5 (7.1) 10.6 10.4 3.5 12.8 15.2 4.0 8.8	37 27 53 52	22
30 39 91 39	1 3R 1	Mynathings Table	60	: -	2.87 201 11.64	60			194	23 134 27 142 334 153 153
97	125 68	Wiggin: Con. 10p Wilson(Connelly) Wimpey (Geo)	160 71	-1	*1.66 3.13 2.26	25 11.7 5.9	2.8 4.5		482 (136 99	334 £95 76
	01	IESALOS I								h67

CHEMICALS, PLASTICS

CHEMICALS, PLASTICS

600 | Arza i | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600

CHEMICAL

111 | 600 | Arroil | Algunte Inds. |
123 | 68 | Aff College Inds. |
124 | 60 | Anchor Chem. |
125 | 68 | Aff College Inds. |
125 | 68 | Aff College Inds. |
126 | 62 | Anchor Chem. |
127 | 116 | Blagden Neabes |
128 | 115 | Blagden Neabes |
129 | 201 | Bent Chems (Dp. |
14 | 321 | Bent Chems (Dp. |
14 | 38 | Carrell Sp. |
15 | 78 | Carles Casel Inds. |
16 | 60 | 60 | 60 |
17 | 60 | 60 | 60 |
18 | 60 | 60 |
19 | 60 | 60 |
18 | 60 | 60 |
18 | 60 | 60 |
18 | 60 | 60 |
18 | 60 | 60 |
19 | 60 | 60 |
18 | 60 | 60 |
19 | 70 | 60 |
18 | 70 | 70 |
18 | 70 | 70 |
19 | 71 | 70 |
19 | 72 | 70 |
19 | 72 | 70 |
19 | 72 | 70 |
19 | 70 | 70 |
19 | 70 | 70 | 70 |
19 | 70 | 70 | 70 |
19 | 70 | 70 | 70 |
19 | 70 | 70 | 70 |
19 | 70 | 70 | 70 |
19 | 70 | 70 | 70 |
10 | 70 | 70 | 70 |
10 | 70 | 70 | 70 |
10 | 70 | 70 | 70 |
10 | 70 | 70 | 70 |
10 | 70 | 70 | 70 |
10 | 70 | 70 | 70 |
10 | 70 | 70 | 70 |
10 | 70 | 70 | 70 |
10 | 70 | 70 | 70 |
10 | 70 | 70 | 70 |
10 | 70 | 70 | 70 |
10 | 70 | 70 | 70 |
10 | 70 | 70 | 70 |
10 | 70 | 70 | 70 |
10 | 70 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70 | 70 |
10 | 70

46	45	7.3 9.4 8.6	4.0	强,	17 18	S&U Store: 121-9. Do. 25% 1.13-19.	1 121		=	=		22 12 12 3	4	1
	27		4.9	224	149 24 101 ₂ 108	Samuel (H) 'A'. Selincourt 5p Sterman (S) 10n	192æ 24 101-	-2 -1 ₂	15.2 11.75	29 33	3.911 10.4 4	1. 3	180.03	2
5	25	7.1 8.7 9.6	4.9 6.5 5.9 14.1	34 151 ₂ 205 90 85 24 40 88	108	Sterman (S) 10p. Smith W. H. 'A' 50p. Stanley A.G. 5p Status Disc. 10p.	101 ₂ 185 69 66×4 171 ₂	+1	3.13 h165	4.9 3.2	24 8 34 12 2.0 7 8.1 6	6 11 11	3	4
	1.6	~	14.1 9.6	85 24	59 20 17	Status Disci, 10p.	66xi	-i	#10.9 d0.96	68 27 22 42	2.0 7 8.1 6	313	į	,
	3.9 3.7	95	3.9 4.1	88 -120	[30	Sumrie 20p Time Prods. 10p	P 33	-2	2.5 h1.83 Fe.21	3.2 4.2	3.4 7	3 9	7.	9
5	18	7.1	5.G 8.8	52 52 145	51 114	UDS Group Upton (E) 'A' Vantona 20p	40	+4	2.49 N8.0	29	8.9 5	650	6	i
,	0.5	103 93 8.6	du	140 122	1119	Walker (Jas.) Do. N.V	120 109		12.62	18 29 5.6 5.6	3.1 6	4 7 8 3	3	1
	*	i — I	Ф	딾	94 60 115	Wallis 10p	68 144	-1	62.0 11.3.26	9 4.2	4.3 g	a 17	9	ļ
7	4.5 6.5 2.9	3.4	5.1 6.5 (5.9) 2.9	40 28	25½ 14½	Wearwell 5p Wharf Mill 10ph .	28 18	-2	20.3 0.6	=	4 d 3	8 7	5	2
	44	65 81 41	29	132 87	83 62	Wilknen Warben Woolworth	1 92	+12	45.71 4.47	3.4 2.0		6 6	5	£
	9.	3.2	6 8.6			ELEC	TRI	CA	LS			ij	61:02035585646323	1
3	235	7.1 11.2 0.4	54	244	152	A.B. Electronic		-2	15.63 Pd4.5	17	4.412	4 19	3	ì
	7.2	19.0 4.0 13.7	5.8 5.7 5.0	184 166	64 34 103	Arien Elect Audio Fidelity 10p Auto'ted Sec. 10p	43	+7	d21 1.49	9.1	7.9 9		3	3
?	=	*	20	153	113	BICC 500 BSR 10p	113	-1 +1	7.79 5.33	5.6 1.7	1314 98 7	≠ (12	2 (74
N	81	9.1	9 3.4	25 143 97	EOIL	Bowthorne 10p.	105	, ,	14.78 i	28	16.6(5. 6.5 6 3.0 10	5 5	3 0 8 7	1
4	14	75 113	8.8	156 331. 75	641 ₂ 59 24	Brocks 10p Bulgin 'A' 5p	56 93 24	-1 -2 -2 -8	1.8 h3.17 h1.21	2.0	7.210	3 6	ě	
3	37	10.8 7.5 4.9	5.0	Lat	61 112 84	Cableform 5p Campbell Ishwo	122	- "	13.3 3.24	11.4 12.9	7.3	0 2	7 8	1
	38	I R R	3.9	100 32 67 43	25	Chloride Grp Clifford & Snell 5p Concord Reta. 10p	97 26 39		6.1 0.73 2.31	28	9.0(7. 4.1 ¢ 7.7 5	0 8	2	1
	4.1	55 62 72	4.6 8.4 4.2	43	25 35 11 12	CrayEl'tronic 10p Cretion 10p	36		†3.47	25	5.87 9	8 10	8726534 9	3
	2350	7.6	96	20 19 168	1364	Do. 12pcPtg.Pf. Dale Elect. 10p	131.4		1275	43	13.2	B 10	9	7
	3.6	5.0	(6.3)	445 407	310 ° 268 12	Do. 'A'	340 325 29	5···	11.95	1.9	5.015 5.314	.	22	12
В	92 0.4 2.9	7.6	(7.1)	201 ₂	1315	Derritron 10p. Dewhurst A' 10p Dowding & M. 5p.	144		0.81 10.92 11.21	2.0 2.7 4.0	94 7	6 2	2	
1	63.31	932	5.3	53 341,	28 32 24 94	Dreamland 10p. Dubilier 5p	36 48	-1"	d142	4.0	4.8 11 4.2 8 5.1 7	E 37	5	2
1	1.7	122	(56) 6.1	144 C96	569	EMI 50p	31 96 £911 ₂	+1	9.38	12.2	14.012	·' 122	3	16
1	29 20 39	9.0 11.4	7.8 3.2	475	310 21	Electronic Macil.	415	+1"	6.5		23 6	9	ģ.	
Į	4.71	4.4		225	150	Ele: Rentals 10p Energy Servs. 10p.	184xt	ļ	FB.25 0.5 H3.5	3.6 4.1 4.2	2911	1 10	8	12
9	7.0 3.9 3.0	53	6.3 4 8	370 228	190 156 320	Eurobern Int. 10p. Farnell Elec. 20p Ferranti 50p	303 222 405	+3	1 H2 Q5	4.2	6.4 d 2.9 11 1.6 21 1.9 17	9 91	2	41
5	n si	5.0	98 766 5.3	430 95 98	76	Fideliny Rad. 10p. Forward Tech	76 85	I-1 I	5.75 5.66 to 3.45	17	10.61.7	3 5	8	32
1	3.3	5.0 5.5 10.4	4.4	456	311 46 93	Highland El. 20a.	353=	+1 +3 +4	193.45 6.25 d1.19	45.9 27	232	6 10	8	7
ŀ	928 26 2.9 1.8	10.4 5.8 6.3	(3.7) 2.6 12.4	108 245 102	141	Jones Straud Kade Int	75 93 222		5.25 5.25 +2.0	35	8.3 d 3.4 9	2 3	2	40107
3	18 0.4 2.7 2.3	20	6.5	1 94	141 53 56 200 2194 200	Lec Refrig M.K. Electric	53 57 249	+1 +2	62.9 12.0	4.4	5.5 4		20	1
1	23	71	7.5	280 £302 303	200	Motorola \$3	248 £20% 224	114	0\$1.20 15.08	2.B 3.9	6.9 6 2.6 9 3.3 10 11.7 2		7	1
١	180	88 3.9 4.8	8.0 5.5 8.1	303 99 245	280 280	Hewman Inds Newmark Louis	73 205		6.9 16.76	3.8 4.8	11.7 2	4 117	24	12
اد	34 07 29	77		56 €116 103	37 £%	Normand El. 20p. Perkin-Elmer Apo	41m	-2	dh2.52 Q4°,	24	001 4	' 6	92	14
1	=1	\equiv	-	11.00	57 550%	Pethow Hido 10n Philips Fin. 54% Philips Lp. F10.	60 £53		051.	•	7.7 6	. 1.3	ģ	7
5	24 54 26	9.4 3.5 10.5	6.3 7.5 5.3	927 105	87	Philips Lp. F10. Piice Hidgs 20p Do. 'A' 20p	575 92	+2	051,% 018% †3.01 †3.01 6.31	21 4.8	7.7 6 4.7 6	217	5 I	4
8	7.3	3.TH	6.5	102 118 135	101 95	Plessey 50p Pressac 10p	90 196 103		631	4.8 q1.6	8.8(8	5 14	7	A
3	17	3.0 6.6 10.2	(7.1) 10.6	168 495	376	Pye Hidgs	168 415		+3 98 7.5 5.25	91.6 4.7 4.0 1.4	3.111	4 2	042	1
9	좱	7.0	19.4	1114	85 280 400	Recliffusion Scholes (GH)	85 290	-1	5.25 †18.52	14	ê.411	6 22	3	10
1	12	9.3	12.6	315 645 130	400 491 23	Sony Co. Y50 Sound Diffsn, 5p	410 121	-2	050% N2.1	9 83	4.7 6. 4.3 6. 8.8 (8: 4.2 7. 3.4 11. 2.6 12. 8.8 11. 9.1 10. 1.4 4. 2.5 17. 5 3 13.	0 3 5 31	5 T	20
1	3233264 120521 120527 159	47043605874625	10.4 12.8 15.2 15.4 7.6 4.0	130 37 27 57 194 482 6136	23	Suter Electrical Do. Defd. So	27 201 ₂		H1.0	83	5 3 13	7 6	02.00	24.5
1	12	15.8 4.2	7.6 4.0	52	31	Telefusion 50 Do: A' N V 5p.	43	-6	†1.32 †1.32	17	4.4 17	Š 🐃	5	2 36
6	11.7	6.4	8 B	485	142 334	Tele. Rentals Thorn Elect	185 420	+4	6 52 13.0	2.Ot	5.0 13. 4.5 7.	4		Ė
			3.8	99	295 76 167	0s.5pc Cre *20/94 Thirpe F.W 10p4	(115 92 176	-4	13 63	54	2 5 10	5 18	9	Ļ
Ţ	IC:			99 238 355 140 371 ₂ 33 357 290	167 742 820 221 222	Unitech 10p Urd. Scientific Ward & Gold	348 88	+4	14 C5 16.09 14.55	038 489 547 385 355 357 357 357 357 357	5.0 13. 4.5 7. 4.3 — 2.5 10. 3.3 15. 2.5 14. 7.4 7.	0 2	ě	1
27	<u>13</u>	5.1	(1)	37! ₂	꺯	Wellco Hids. 50 Whitworth E1. 50	32 24	•	11.13 60.81	辐	5 (1) 7	ĭ 4	5	7
	1.7	97	(Ž)	357 290	272 242	Whilesale Fig. 20p Wigfall (H.)	745	+3	60 81 +5 89 13.5	40	4 B 8. 2 4 14 8.0 (8 1	4 10 8 12 1) 2	2	7
	1.4 2.4 3.9 4.4	74	8.3 16.4			ENGI					o offer	1 10	7	13 66 18 77 77 17 49
1	44	62	42			MACHI			ols			13 11	2	7
1	43	516704621697788545	89	70	37	Al Ind. Prods	38	1 U [-1 f	ULJ 454		17 1((3.9	n 18	Š	7 23 23 7
	43 28	77	6.6	23? 27 132	790 14	A.P.V. 50p Abwood 5p	203 23		6.37 F0.85	.1 0	a ci a	812	2	7
b	8,	88	<u></u>		37 190 14 104 14 285	Do. 'A'	าาล		th2.3	622 423 12	2812 6.6 5	1 2	12	2
1	47	19	ر د	380 198 69	120	Adwest Group Alcan Aluminium.	50 352 120	+5	뱂	1.2	53 6 2812 6.6 5 4.5 9 11.8 (8 9	1 5	4 19	13 24 5 7
ı	ų į	إدر	4	97	, 24	Allen (E) Galfour	61	[·····	F#20	•]	~./ 4	14	5	10

-1	46	+1	5.33	1.4	16.6	(5.3)	83
-	105	[4.78	그림	6.5	10.5	53
•	93	+1 -2 -2 -8	h3.17	2.0	4.9	(5.5) 6.5 10.4 10.0 3.0 (7.1) 6.5 9.8 10.0 9.8	83 53 90 68 78 47 28 28 32 36
-	24	-2	h1.21	20	7.2	10.0	있
ا:	166	-8	†3.3		7.3	2.	47
٩	-65	ļ	529 57	44	3.6	3.0	28
	ŽÉ		0.73	6	4.7	47.71	53
5	39		231	28	7.7	5.0	並
Þ	36		13.47	2.5	5.8	9.8	3633 MIN 154 4 4 10 15 15 18 18 18 18 18 18 18 18 18 18 18 18 18
Ŧ.	131.4		1 75 -	-	12.2	-	•33
	142	l::	12.75	63	78	118	149
	340	5	1L95	19	5.0	15.3	155
	325	-5	11.95	1.9	5.3	14.6	44
=	29 10m		10.02	3.	9.0	1.	24
	36		†1.21	27	4.8	11.2	镪
3.	48	-1	d1.42	4.0	4.2	8.5	146
••	31		+11	28	5.1	7.5	118
-	£911-	**	081.4	17.5	14.4	12.1	223
ō.	415		65		23	ě	an
	24	+1		-	-	-	321
P	18430	-1 +1 +1 +3 +3 +3 +4 +3	1125	9,	2.4		237 90 321 103 59 50 22 98 43 108 32 95
-	303	+3	H3.5	41	16	竹	156
	222		h2.95	42	1.9	17.9	310
	405	+2	5.75		20	9.	22
p.	85	-i	5.00 to 1.45	+ 4	10.6	7.9	98
	353ml	+3	6.25	c5.9	25	9.0	436
э.	75	+4	d1.19	27	23	23.6	146
-	93		5.2	Ŷ.,	8.3	\$.	95
	53		2.23	33	5.4	9.2	
	57	+1 +2 +4	d2.9	4.4	7.3	45	716
	248	+2	12.0	2.8	6.7	6.1	158
•	774	+4	45 M	3.9	20	9.8	247
.	73		6.0	3.6	117	74	.13
s	205		16.76	4.8	47	63	112
p.	4lm	-2	dh2.52	2.4	88	6.7	100
×	£102		Q4° o	-	13.9	-	89
SI	£53		053.%	Ψ	10./	•	-28
ĭl	575	···	018%	21	7.7	6.3	147
١.,	92	+2	t5.01	4.8	4.7	6.4	43
~	90	+2 +1	13.01	4.8	4.3	6.3	57
۰١	103		5378 8 1721 3 4 6 17 1 4 7 1 2 17 5 5 6 1 2 1 2 1 2 1 2 1 2 1 1 2 1 2 1 2 1 2	양병	4.0		140
ا	168		43 98	37	3.4	114	241
	415	-1 -2	7.5	4.0	26	12.4	410
-1	85	-1	5.25	14	5.5	116	223
۰١	410		U2025	1.5	7.1	10.0	46
	121	-2	N2 1	7	늘	175	315
П	27		H1.0	83	53	137	50
10 10 10 10 10 10 10 10 10 10 10 10 10 1	2012		_	4名9名6 49 85 1999 GNOSSN STATESTON (STATESTON) 4894884 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	_	73.00 1527 172 1886 89 28 22 75 35 7 140 240 5 25 34 55 56 58 465
٠l	43		†1.32 †1.32	1.7	44	178	405
۰۱	185	-6	6 52	3.6	5.0	17.5	
١.	420	+4	6 52 13.0	3.8	4.5	74	
u	(115	100		119 9	(4.3	17.8 17.8 13.9 7.4 10.5 15.8 14.0 7.1 8.4 14.8	
1	92		11 63	54	25	10.5	189
I	176	-4	14 C5	2.7	3.3	15.8	92
۰١	596 98	-7	10.09	3.0	53	14.0	304
;1	32	•	#1.13	35	5.0	7.1	45
d	24		60 81	3.5	4 B	8,4	107
p	4554924627749345 ^{##} 11249591444914915922576557792257785 ^{##} 1257725419657729616165599011729441601572648822475	4. 44. 44.	11 63 14 65 14 65 14 65 14 13 14 65 14 13 14 65 14 13 14 65 14 13 14 65 14 13 14 65 14 13 14 65 14 65 16 16 16 16 16 16 16 16 16 16 16 16 16	40	24	14.8	189 92 80 306 45 107 124

	٠.	231	2.	4.1	5.0	32	Į
		F1.47	28 25	5.8	9.8	32 36 105	Ì
		-	-	_	-	*334	Į
5	٠ ،	42.75	43	13.2	11.8	100	l
		11.95	19	5.0	15.3	152	l
	-5	11.95	1.9	5.3	14.6	44 24 202	ľ
đ		10.92	2.0	9.4	7.6	24	I
		10.92 11.21	4.0	4.8	11.2	鼗	l
	-1	d1.42 +11	2.8	4.2	8.5	352	l
	+1	9.38	80	5.1 14.0	8.5 7.5 12.7	淵	ļ
2		081.%	12.2	19.3	-	7	l
1	÷1"	_			-	90 321 ₂	Į
ď		FB.25	3.6	6.4		103	į
1	+3	0.5 H3.5	3.0	7.5	11.1 21.5	156	ľ
		h2 95			17.9	59 915	l
	+2	5.75 5.66	17	20 10.6	7.9	108 436 108	ĺ
	-1		1.7	10.0	14.3	98	l
ď	+3	1112 152	1.7 95.9 2.7	5.8 2.5 2.3	9.0	108	l
	+4	5.2	2.7	83	23.6	32	ı
		5.25 +2.0	35	3.4 5.6	9.2		ı
		42.0 62.9	4.4	3.0	45	32 73 210	ļ
	+1 +2 +1	12.0	2 8	7.3	63	210	l
8	14	0\$1.20	2.B 3.9	2.6	6.1 9.8	158 247	l
1		15.08 6.9	3.4 3.8	6.9 2.6 3.2 11.7	10.1 2.4	•134	ľ
		+6.76	4.8	47	63	172	l
2	-2	dh2.52	2.4	88	6.7	168	ŀ
١		04° . Q4° .	-	16.7	•	89	ı
ĺ		054		13.9 10.7 11.1		-28	ı
1	+2	018%	2.1	7.7 4.7 4.3	6.3	122	ı
1	+1	†3.01 †3.01	4.8	4.7	6.4	33	ł
		6 31	01.6	8.8	(88)	57 140	ĺ
		6 31 13 0	47	4.7	7.5	2412	İ
		+3.98 7.5	37	3.4	11.4 12.4	270	l
	-1	5.25	1.0		116	223	ŀ
		+18.52	75	9.1	10.0	96	ĺ
	-2	050% N2.1	9 9 3	1.4	17.5	216	ŀ
	-	H1.0	83	2.5	13.7	50	l
2		_	17	-	_	62 301	١
		†1.32 †1.32	17	44	178	301 ₂ 405	ŀ
	-6	6 52	2.0	5.0	17.8 13.9		
Į	+4	13.0	3 8	4.5	7.4		
i		05% t1 63	189	14.3	_	189	ı
1	-4	t4 C5	54 27	2.5 3.3	10.5 15.8	92	ľ
ļ	44	16.09 l	3.8	25	34.0	92 80	ļ
]	-2	†4.55 †1.13	2.5	7.4	76	306 45	ľ
1	•••••	60.81	3.8 2.5 3.5	5.0 4 B	7.1 8.4	107	l

2	-2	16.76 dt2.52 Q4%	4.8 2.4	47 88 3.9 10.7 11.1	6.7
	+2 +1	051,% 018% 15.01	21 4.8 4.8	10.7 11.1 7.7 4.7 4.8	6.3 6.4 6.3 (8.8)
	-1 -2	75.01 631 73.0 43.98 7.5 5.25 118.52 050% N2.1 91.0	4.7 4.0 1.4 1.5	4.7.4.8.2.4.4.6.8.1.4.5.3	7.5 11.4 12.4 11.6 10.0 4
1 ₂	-6 +4	+1.32 +1.32 6.52 13.0	1.7 1.7 2.0 3.8 4.9	444 50 45	17.8 17.8 13.9 7.4
	44 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -	1163 1465 1465 1455 1113 1088 1589 135	27 28 3.5 3.5 3.5 4.8	24	10.5 15.8 14.0 7.6 7.1 8.4 14.8 (8 1)
_	DII	MC.			

176 348 88 32 24 345 252	-4 +4 -2 +3	14 05 16.09 14.55 11.13 60 81 15.89 13.5	285 355 355 48	3.3 15. 2 5 74. 7.4 7. 5.0 7. 4 8 8. 2 4 14. 8.0 (8 1
NEE				
		0LS		17 162 6
203 23	-1	6.37	19 4.8 ¢	17 1(3.9 4 5 4.9 5.3 6
38 203 23 118 50 352 120	+5 -2 -2		42 42 38	45 4.5 26 12 66 5 45 9 118(89
120 61	- <u>2</u>	99 F#20	12	11.8(8.9 4.7 4

m ,	8 8							- 1.									2 6	
•	1 2 /								88 1	63	icilitard	Darcies.	83.		1213	52	370	A.
								-1	88	48		יאי.	70		213	5.2	41	17
	-			2.5				1.	.00	ַ פַּרַ							7.3.	24
									160	114	1Cudlens	200	132		4.34	1.1	4.7	271
_		-					0.0	110	158	114	Des mi	\" 20p	128		4.34	1.1	4.4	X. 3
			. 0					_ [4					112	175 Y	6.69		83	_
								- 17	118	106	Danch t	cn. A1		12	0.07	 • ±	0.7	
								133	5612 32 32 32 32 31 31	151-	Friedlig	On C.)50.	40		. —		-1	
	私に 1 れ	IEER	I NIC-		nnti	11111	- N£		- Ar 21			71 6 (6-	24		1.42	0.3	9 4	
ᆮ	NGU	CLN	11172.		VIILI	LIM			32 .	25	(Fildram)	(J.E.) Sp.	- 47	~~~			뙲	=
				•				- 1	At I	73	if.M.C.		83		40	13	5. KI	
1070	1	1	1	÷- er	Ph. 1	1 1	YNT		15	0.	Fisher (4 1 5n	11		#0.65	1.4	- · - M	26
1979	1		l ŧ	T. 04	en.		سالته	- 1	75.	0.7	L CHALL	~	27				Ti'	-
m La	mar 1 9	zock .	Price	- }	Net	CH	Srs i Pi	E .	77 1	57	lFach Lo	edi 20p	6111	-1	4.66		W. 7.	•
			1.0						57	23	Crace C	lover 5p	- 54 m		+1.37	3.0 3.1 5.0	3.61	G.E
1 40	Allen \	11 12	42	1+	t2.561	3.3	8.71.3	71	57 78	20					i Ec	5.7	7.41	57
			22				6 -1 3	٦I.	.78 I	53	Hazlew't	P. 20a	73	1 homes	I I I I	. 541	썕	. D.f.
18) Amal.	Power		-1]	5.9	4.9	9.5. 2 7.3(6	= 1.2	140	206	Hillards	:10ni	340	+10	4.94	-58	211	3.8
5	Anrion	S'clyde	59	-ī i	3.0	25	7.316	Z) 🖫	T 1				76		3.29	4.7	53	. 2 0
1.0	1				77.39	3.8	6.0 5		110	76	Tanacan i	(A.) 10p					***	
14		Lacymon				. 3.0			123 I	80	Kwik Sa	ave IDo.i	115		12.64	3.1	2.7	- 8
	/ I∆≪ Rei	kish 1250.	. 75 l		B		-14		71		Leimors	Co Ido	36.0		[22]		83	4
40		Zaaliaa .			12.58	1.0	7.420	ы						7:550		7.	6 64	
		Tooling.	50						176	124	Linfood	HICKOS	153	+1	9.43	- 10	D.OR	
74	i Δctra	no L 10p.	25120		13 i	22	177 4 6.914	7	116	90	Lociona		90		4.12	45	6.5	4.9
1 7	Aurora		75		5.9	32	17.71 4	714	امت						20		57	Τ,
				*****	200	21	4 0 10	i i	86	. 59 _	Lovell (6.5)	78			28	2.1.	_
110	- (Anstin	(James).	123		15.95	124	0.7	2011	เวิวิไ	Qi	2 000 (16)	(m.) 20p	138	-2	16.11	291	7.48	7 M
195			230	+2 14	18.85	2.61	5.5(7.	90 -	***				274	- 1	d10.2	2.0		76
	1000	1 4 117	163	-2 15	86	7.2	5年	n i	170	171	Matthe			****	- Lun-4-	걢		
143		#&₩					54 3		22	.84	Mest Tr	ade Sup…l	-88	2	td7.37	U.7		13.9
	3. Bailey	(C. H.)	534	-4 ii	M 21	2.3	24 /	.8 ,	27	74		E.k. 10p	. 86 .	-2			-1	<u> </u>
3 h 32		Perk. 50a	132	-3 6	.45	26722	5.21 7 7.01 4		-		Maria desar	EGS. 107		1	0.0	9.8	10.913	
			125	-> 1		4.5	9.9(3. 4.8 6	ö. I 3	69-1	.91	i Morris u	(W.) 10cl	151	· inner		1.0		
1 22	l Barrio	rds 20p	28		L94	29	7.7[13	9) [T	65		Needler		57		d2.91	325	5.2	12
57		Cees. 20p.	65	1	22 1	4.5	4.81 6	.61.	02 1	77			105		+375	3.0		84
			🔛		256	3.9 3.2	7.0 4	0 1 3	140 l	98		n Foods I	Trib	-1		-4	44	
57	t IBartos	& Sons_	52		14.00 j	2.7	1.01		117	77	Mostlin'	P'k. 105 i	112	+1	266	5.6	2.6	7.7
1 5		ord 10p	56	10	3.73	i 3.ZI		-	28	19			-27	-	1.6	0	8.5	
			31		17	A 1	8.21 d 17.412	0	Ø .1	. 13	Laure t	P.) 10p.				-	-	
1 24	 Instant 	(D.F.) 5p		······• .		J ¥	· 7 11-2	6.1	67	55	iPvke Hik	des. 100i	24		-	-1	- 14	16.7
I 40	Birmid	Qualcast	41ml	19	198	0.7			33	55 43	R.H.M.		57 431 ₂	+12	3 42	157	1.2 5.8	84
12		en. Mint .	1690	1	7.5		6.3	6			In it it		156		6.3	17	E 01	023
					عقد	20	- 41 2		ן ייכו	126	Roberts	n rocus .					2-1	43
17		Pallet 10p.	72	terro 3	رصيب	44	. # 2	717	774]	64	Rowntre	M. 50p	180	+2	No.5	4.0	52	u
45	Rischu	'd Hodae	45	[205	4.5	6.51 4	6 4	729	223	Sainsbu		315	_	d7.12	7.6	32	00
		Wm IOp.	161,		H1.341	2.0	63 4 116 6	4	7/9	ر بيه	124micnin	3.5	25		0.00	3.4	10	9 <u>9</u>
2 16	אסוומסטן בא	1 AMIN TOD-					731 7		3212	2212	SURGIO H	17gs, 10p		***	F1.92	9.7	4	77
T 25	Brahan	s Mili 10p.		+1.[]	67.	•	4.51		135.7	52	Somoor	tex	99	-	3.77	26	5.4	24
78	Reside	waite CI.	79	14	87	87	9.11		4912	300	Soillers		39		2.04	27	温	5.2
			57	10	4213	47	53 2	Я!		.0.2	Shiners	10.30	36		115	32	778	62
1 45) Drasw	ay 10p	25 :1			2.1	571	71.	ii	33	South H	K'#12139	. 20	-		24	P.U	
43	B'house	e Dud. 10p	411		277	2.6	7.01		60	135	Conclus !	(Joseph)	135		64.34	82	46	3.8
	Bristol	Channel.	43,	-10 11	D.74	.09	7.21(2)	2013	انت	132	Tate &	I who E	140 -	+2	#10.5	17		80
					125	3.0	736	Rt []						-	4-6-0		* T.	
1185		rainium 50p				- 234		** ·	68	50	Tavener	Rul. 200	50	L		-1	- 1	-
35	British	Northrop	40		20	φ I	7.1	P_ I .	.65. l		Tesco 5		74 -	-12	1.98	41	32	68
14		team 20p	95m	11	H4.34	3.4	65	2	UE					-6				53
. 73						23	63 4	2	76	70	Unigate		95		4.7	2.9		
. 63	Brockt		63	[]	1.05	الإج	24	4	8288	74	United	Biscuits.	77 -	-1 -	3.01	3.3	5.6	5.7
6.	Brom's	Cast 507 .	58 .		2.21	3.2	5.4 8 10.0 8	1.2	52	42	Malena	Phip. 10p			17 30	3.9	54	99
1 6	10-	Eng. 10p	75	11	1.75	16	10.00	181	75	TIC	Sandian.	· · ah- • Ah		Sec. 2	I	- Marie	S.M.	
25			25		36		7.665	T (-	+ A.	-		-	
47	Brook	Tool	47		251	2.9	داره. د	7)				7.0			0.4		- 4	
1	In	LLID FO.	96	. 64	AE		77 41 4										_	

Fox—a member of the Raine Group, Sheffield



£600m local government cuts

BY PAUL TAYLOR AND LISA WOOD

savings of 5 per cent

After allowing for a planned marginal increase in local expenditure next further 1 per cent reduction in current expenditure over the 3 per cent saving the Government has asked authorities to make this current financial year.

The Government's plans were spelt out by Mr. Michael Hesel-tine, Environment Secretary, at a meeting with the local the level of expenditure covauthority associations yesterday and will inevitably lead to further reductions in the level

Mr. Heseltine told the local authorities that they should plan on the basis of a reduction of 5 per cent on the projected level of £12.136bn set out in the latest expenditure White

The full impact of the cuts on council rates next year remains unclear, partly because Government restrictions on the level and charges for services are to be eased and also because the Government has yet to decide how much of the local authority expenditure will be financed through the rate sup-

Yesterday's briefing with the local authority associations dealt with spending across the board.

nationalise BP's assets intensi-

Commonwealth Conference in

Lusaka and seemed to diminish

the chances of a compromise

coincide with the formal open-

ing of the conference today

Lagos government's announce-

ment came shortly after a visit

Fraser, the Australian Prime

Minister, who has been trying

to find a compromise formula

to defuse the Rhodesia issue.

Weather

UK TODAY

S.W. England, Wales

land. Orkney and Shetland

Long range forecast for August Warm, dry periods with cool and sometimes wet interludes.

Generally above average tem-

WORLDWIDE

Outlook: Changeable.

peratures.

Nigeria by Mr. Malcolm

There was concern that the Strategy

agreement on Rhodesia.

told yesterday to cut planned sions on how the cuts will affect itself. current expenditure in 1980-81 specific services like education by more than £600m-making which accounts for 50 per cent of local authority spending.

> In making the 5 per cent cut Government has selected a midway option after asking the local authorities to examine the implications of a range of possible cuts between 25 per cent and 7.5 per cent.

> in the current year, the Govcrnment has already announced £300m reduction in the final rate support grant settlement and has asked local authorities to make saving of 3 per cent on

LOCAL AUTHORITIES were There will be further discus- ered by the rate support grant

Mr. Heseltine said he will announce proposals in the autumn to give local authorities greater flexibility over statutory obligations to provide school milk and meals and to remove the restrictions on charges for other services including school

In total these changes could result in savings of more than £200m in 1980/81, he said. He is also to introduce legislation allowing local authorities to charge for planning applica-tions—perhaps up to £100 for each application.

services will make it easier for the local authorities to meet the spending targets. Nevertheless brought a mixed response from the local authorities.

Mr. John Grugeon, chairman of the Association of County Council's policy committee, said it was now up to individual local authorities to decide how the cuts will be made.

tightening of belts and reduc-

of the Association of District Councils, rejected Mr. Heseltine's suggestion that the quality of services is not dependent on the announcement of the cuts the level of expenditure. He said the cuts would mean changed service."

Mr. A. G. "Tag" Taylor, chairman of the Association of Metropolitan Authorities, complained that the Government had still not said whether the rate He warned: "It is inevitable support grant would be in-that there will be redundancies. creased this year to cover pay There will have to be a great awards expected to be announced by the Clegg Commis-

Rebel health group may face axe

PLANS FOR dealing with the rebel health authority in South London which has refused to cut spending by about £5m will be announced by Mr. Patrick Jenkins, Social Services Secretary today.

Hr. Jenkins met senior Department of Health and Social Security officials yesterday to decide what action should be taken against thte Lambeth, Southwark and Lewisham Area Health Authority which is defying Government attempts to keep health service spending inside

informal consultations with key

Sed the gloom surrounding the African leaders in preparation strategy for the conference.

for Friday's conference debate

Accompanied by Lord Car-

rington, the Foreign Secretary,

meeting came only two days

yesterday.

Nyerere of Tanzania, and hope

to meet other African leaders.

including the Nigerian Foreign

Mrs.

neth Kaunda of Zambia.

on eve of Conference

on Rhodesia.

Earlier

held talks with

BY MARTIN DICKSON AND MICHAEL HOLMAN IN LUSAKA

NIGERIA'S decision to began a delicate series of

The move was regarded in she was scheduled to have a pri-Lusaka as deliberately timed to vate dinner with President Ken-

and thus serve fresh notice on after a fierce attack by the Pre-Britain that Nigeria is angry sident on British policy over with its Rhodesia policy and its Rhodesia and Mrs. Thatcher Southern Africa policy in personally.

The Minister is thought to have already reached decision on how he should deal with the problem he faces but yesterday deferred an announcement pending further legal advice. Lambeth, Southwark and

Lewisham Area Health Authority, is one of 90 area health authorities in England and Wales which are responsible, with district management teams, for the day-today running of the National Health Service.

an unexpected meeting late on

Monday night to co-ordinate

African issues are not expected

to be discussed in detail until

Friday. This will be followed by

a weekend of informal talks

which 'Commonwealth officials

mony, the conference will go

Other issues to be discussed

into a general discussion of the

Rhodesia.

Under the provisional agenda

On Monday night the authority voted by 19 votes

to five not to cut spending to stay within Government spend-ing limits which Mr. Jenkin has said will not be increased to cover the effect of increased value-added tax and other price inflation.

The authority's decision means that Mr. Jenkin faces the difficult choice of allow-ing it to overspend in 1979-80-which could open the for other health authorities to do the same and thereby undermine the Government's attempts to contain public expenditure-

some other way. Under the 1977 Health Service Act the Minister has the power to dismiss the members of an area health authority and replace them with a special commissioner

in certain circumstances. The stand taken by the health authority won support from doctors and the British Medical Association's Lambeth and Southwark Division who argued that the cuts were unacceptable because of the reduction in services which

Rhodesia approach BP move increases gloom 'could jeopardise

BY DAVID TONGE, DIPLOMATIC CORRESPONDENT

THE BRITISH Government has been warned by businessmen that its approach to Rhodesiacould put all British investments "very much in in Nigeria

The warning reflects the growhope might help produce a ing concern among companies Its members also expressed measure of understanding on with large stakes in black their apprehension about Mrs. On several occasions this concern has been expressed to ministers and senior officials. British investments in West world political situation. It will Africa alone are estimated at then move on to the problems of around £800m while Britain's South-East Asia, including the trade with black Africa last year

On July 4 a group of industrialists, bankers, contractors and by the 27 Heads of Government and Ministers from 12 other traders involved in black Africa,

The group, which included representatives of BP, Shell, Dunlop and Barclay's International, told Mr. Luce that premature recognition of Zimbabwe-Rhodesia could lead to strong reactions from Nigeria. Margaret Thatoher's statement expect the British Parliament to renew sanctions in November.

The group have since been lobbying Tory MPs while the Association of British Chambers contact with the authorities.

The ABCC has companies

involved in black Africa and Southern Africa among its mem-

Nigeria investments'

total with South A frica.

softening in the Nigerian stance. man of the five front-line AfriThe Nigerian announcement can states ranged against came as Mrs. Margaret Thatcher, Rhodesia, whose leaders held smallest members.

The Nigerian announcement can states ranged against development problems of the fary of State at the Foreign portfolio investment, are of the smallest members.

Continued from Page 1

other foreign companies in Nigeria, the Government said other companies operating in Nigeria had nothing to fear as long as they continue to respect the policies of the Nigerian Government and the feelings of Nigerians, especially in the sen-sitive area of apartheid and obnoxious racialist policies in

Southern Africa," Ray Dafter, Energy Editor, writes: In recent years Nigeria has been one of the major sources of BP's crude oil supplies, along with Iran and Kuwait. Last year, for instance, BP lifted 360,000 harrels a day of Nigerian crude, some 9.4 per cent of its total supplies.

The company has also been badly hit by the production cuts in Iran; and could find it more difficult to obtain Kuwaiti oil as reports in Kuwait suggest that the country is planning to reduce its production by a quarter, from about 2m b/d to 1.5m b/d, possibly in April 1980.

BP said in London last night that it had bene informed that compensation would be paid by the Nigerian Government. The company would not disclose the value of the assets concerned.

Continued from Page 1

21 years old his month. Answers 21 years of dthis month.

In the CBI's economic situa-tion report, also published yesterday, its regional offices stress the problems of a decline in activity and also express fears about the prospects for liquidity

The economic report also includes a pessimistic view on the UK current account deficit and expects only a slight improvement to an average annual rate ob about £2bn over the next 18 THE LEX COLUMN

Sterling hits an air pocket

has been increased by 50 per cent (in line with the rights issue forecast) and at the current price of 352p the shares

yield 5.4 per cent and sell on

ment of concern from the U.S.

Treasury, and one can see why.
Losses so far this year amount
to \$260.9m, equivalent to a
tenth of the shareholders
equity at the start of the period.

and it looks as though losses in the third quarter will exceed those in the second, when

Chrysler was \$207.1m in the red.

at \$700m or more. Short term

borrowings have already jumped

around \$1bn) it could risk a

violation of the working capital

ratios required under its revolv-

ing credit agreement.

earnings.

Chrysler Corp.

Some of the froth boiled: away from sterling yesterday, as Index rose 3.2 to 454.2 t tumbled by around 61 centsagainst the dollar and lost as much as 2.3 per cent in terms of the trade-weighted index-Sterling still managed to end- and "unusually severe" weather well up over the month of July in the UK. Nevertheless, given as a whole, but on the last day the near completion of the lucrative contracts in Dubai, the it lost half of the month's gain. against the dollar. News of this: sudden setback will have come as sweet music to the ears of Britain's hard-pressed exporters and the equity market has new become sufficiently attuned to the significance of the foreign exchanges to stage a modest late rally yesterday—with ICI being marked up 5p to 321p. Yester-day's CBI industrial trends survey showed the sharpest deterioration in export confidence between one survey and the next since the question was first asked in 1961.

Sterling's relapse did not help gilt-edged. however and the silt-edged. however and the long tap slid further to a discount of almost 2 points at 134 tion have drawn a public state. How wise all those stags were to How wise all those stags were to have last minute doubts just a

Taylor Woodrow

The combination of an un-necessary £18m rights issue earlier this year plus a set of uninspiring 1978 profit figures has dogged the Taylor Woodrow share price in recent months. A year ago it seemed as if 1979 would be the boom year for the group. As the profits from the group. As the profits from the big Middle Eastern projects flowed in, analysts were pencilling in pre-tax profit forecasts of £30m for this year. Now it looks as if TW will be lucky to push its profits much above last push its profits much above last year's £24m.

At the half way stage the group's pre-tax profits are £0.4m lower at £7.7m. Admittedly, all of this can be explained away by adverse exchange rate movements and the group emphasises. that its performance has been having to finance a major re-term strength-marred by the industrial unrest design of its product line at a remains intagt.

large operating losses and losing market share. For some time now it has moved into each years. cyclical downturn in the

weaker financial condition, and its ability to retain its present. shape over the medium to long term remains very much open it to question. All this is no news to Wall Street, which greeted yesterday's figures with resigned indifference. After its rapid growth a few years ago the group's order book has now reached a plateau and margins are under pressure so nobody is expecting any great improvement in the 1980 results. The interim dividend has been increased by 50 per

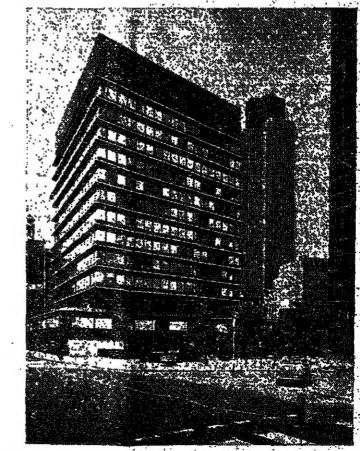
Thorn For the past four years Thorn

Electrical has been in cash balliquidity improved by 227m— but the message from the annual report is that the group is now facing another bulge in capital spending on the rental side. Meanwhile returns outside. TV rental are poor—the UK consumer electronics division, which is mostly remal, generates 54 per cent of the group's profits from 29 per cent of overall turnover. So the prospect is that Thorn is now enturing a period of three years or so in which it will be running cash deficits of possibly 220m or 230m a year though it starts from a position of tremendous balance sheet strength with net borrowings of no more than ES7m at the end of March com-pared with shareholders funds

On the current form, losses for the year as a whole could exceed the group's depreciation and amortisation provision by maybe \$100m — and this at a time when capital and tooling expenditures could be running at \$700m or more Short term The eventual impact wi depend on Thorn's degree success in bringing forward th replacement of the "hump" early 1970s colour rental se and in developing demand newer up market products like video recorders. In the new term the group's policy of heavily front end loaded depre-ciation will not help profits to over \$200m; and unless Chrysler can get its hands on some more long term finance (long term debt is currently Moreover manufacturing mat gins are still being squeezed, in electronics and elsewhere, and the chairman Sir Richard Care warns that there will not be an dramatic short term profit improvement Still the long term strength of the grosp Chrysler's problem is that it is

On the instructions of the Peninsular & Oriental Steam Navigation Company

P&OBUILDING CITY OF LONDON E.C.3.



35,570 sq.ft. TO LET

Top two floors and Piazza level

Fully air conditioned - Excutive Suite and Boardroom - Acoustic ceilings Fully carpeted • Car parking • Lifts • Director/Staff dining accommodation

Storage

Jones Lang George Wootton Trollope III LEADENHALL ST LONDON, E.C.S.

P. C. D. DECK, P. C. D. BUILDING.

01-238 3641

C—Cloudy, F—Fair, Fg—Fog. S—Supny, SI—Siget, Sn—

Invinse I.a Man

Belfast shipyard cuts 630 jobs

BY OUR BELFAST CORRESPONDENT

SHOWERS, heavy rain at times London, East Anglia, S.E., Cent. S. England, Midiands, night that formal proposals for Rain, heavy at times. Max. 630 redundancies from the 18C (64F). N.W., E., Cent. N. England workforce in mid-autumn had been put to shop stewards. Cloudy, outbreaks of rain in afternoon, Max. 18C (64F).

The proposal had been discussed by the stewards with district officials of the Con-federation of Shiphuilding and Engineering Unions and the Hill fog. Rain, heavy in places. Maray Firth, N.E., N.W. Scotunion has now called for a Cloudy, rain at times, hill fog. mecting with yard management. Rest of Scotland, Borders, N.E. England, Lake District, Isle of Man. N. Ireland The company has not so far put a figure on the likely level Showers, sunny intervals. Max.

of future redundancies beyond the 630 this autumn, but the Confederation claimed that the 3,000 labour force would be cut by 1,800 by next March. The Government has told the

Mr. Giles Shaw, the Ulster

ago that if they could not work

within this limit, then the ship-

refused a request from their

union yesterday to stop handling

food containers bound for North

Dockers and cargo handlers

at most other Scottish ports and

inland distribution centres agreed to the request—from the

Transport and General Workers'

Union-in support of a strike

over pay by offshore catering workers. But the Aberdeen

dockers' decision was more sig-

nificant because the port is the

main centre for shipping food and materials to offshore instal-

The four main catering com-

panies, which are in dispute with

27 offshore installations they

served were affected by the dis-

lations.

Sea oil rigs and platforms.

DOCKERS AT

BY NICK GARNETT, LABOUR STAFF

Aberdeen

company, which is wholly owned by the Northern Ireland Department of Commerce, that public funds to cover losses in the present financial year will be limited to £22m.

Under-Secretary, warned management and workers a week

HARLAND AND WOLFF, the yard could not continue to Belfast shipbuilders, said last operate.

The present order book will be completed by late 1981 and even if new orders were won in the near future, it is clear the labour force could not remain at its present level.

Harland and Wolff's trading loss in 1978 was £21.4m against a provision of £8.6m which was deemed adequate less than a year previously. Sir Brian Morton, the chairman, said in the annual report that losses associated with completing the curernt order book during 1979 and 1980 could be £9.3m greater than previously assumed.

Efficiency

redundancies postponed for six performance.

Mr. Jimmy Graham, the Consecretary, said: While productivity and effi-

members not to cross picket

lines mounted by the TGWU

and the National Union of Seamen, which also represents

This would normally affect up

ta 1,500 workers due to go out

to installations in the next week. But the oil companies

have flown off more than 1,500

non-essential personnel as a

Theaction is affecting forward

The Inter-Union Offshore

Committee is expected to hold

discuss the strike, which could

involve up to 1,000 catering workers. The British Airline

catering staff.

result of the strike.

construction wrok.

their workforce, said 18 of the an emergency meeting today to

he laid at the feet of the labour The Northern Ireland com-

proved, we refuse to accept that all the ills of the shipyards can

mittee of the Irish Congress of Trade Unions will raise the shipyard issue today at talks with Mr. Humphrey Atkins, the Lilster Secretary, about the effect of Government spending

The Confederation is to meet British Shipbuilders on Monday to discuss the corporation's plans for yard closures These are expected to involve over 8.000 redundancies, out of

the merchant shipbuilding workforce of 28,000.

Mr. Michael Casey, the corporation's chief executive deing meetings with the manage-ment and Government, want the up a detailed plan for closures

ther aid would depend on per-formance, but the Government did not intend to underwrite a

months to enable the labour ced in July that aid of £190m force to show that it can im- over two years has been guaranciency can and must be im- fixed capacity for the shipyards.

The construction section of Pilots' Association is expected the Amalgamated Union of to be asked not to fly relief

Engineering Workers yesterday catering crews from Aberdeen

Aberdeen dockers snub TGWU

reaffirmed instruction to its and Sunburgh in the Shetlands to offshore installations. vesterday that it was strengthening its picketing to try to prevent the organisation of

relief crews. The four catering companies appear determined not to improve their proposal of a £440 minimum rate-for four weeks, two on, two off. The unions' claim is £600.

The companies said they were still providing a service to most installations by using management and non-striking workers. The seamen's union believes that unless the companies alter their position, the dispute may be prolonged.

provided by companies on the outlook for future exports and on price constraints on their competitiveness abroad are the worst produced since questions were first asked on these points early in the survey's life—it is

in the coming months.